

DATE BOOK

1939

# COUNTING HOUSE CALENDAR 1939

JAN.

FEB.

MAR

APRIL

MAY

JUNE

JULY

AUG.

SEPT.

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# THE YEAR 1 9 3 9

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233 West Juniper St  
San Diego, Calif



No. 8012

**National Blank Book Company  
Holyoke, Mass.**

MADE IN U. S. A.

# LEGAL HOLIDAYS

## Holidays observed in all States

January 1 —New Year's Day  
 February 22—Washington's Birthday  
 July 4 —Independence Day  
 1st Monday in September—Labor Day  
 Last Thursday in Nov.—Thanksgiving  
 December 25—Christmas

Ala..... Jan. 19, Shrove Tuesday, April 13, April 26, June 3, Oct. 9, Elect. Day, Nov. 11  
 Alaska... Feb. 12, March 30, May 30, Oct. 18....  
 Ariz..... Feb. 14, May 30, Oct. 12, Election Day, Nov. 11.....  
 Ark..... Jan. 19, June 3, Oct. 12, Election Day, Nov. 11.....  
 Cal..... Feb. 12, May 30, Sept. 9, Oct. 12, Election Day, Nov. 11.....  
 Colo..... Feb. 12, May 30, Aug. 1, Oct. 12, Election Day, Nov. 11.....  
 Conn.... Feb. 12, Good Friday, May 30, Oct. 12, Nov. 11.....  
 Del..... Feb. 12, Good Friday, May 30, Oct. 12, Election Day, Nov. 11, Dec. 7.....  
 D. C..... May 30.....  
 Fla..... Jan. 19, Shrove Tuesday, Good Friday, April 26, June 3, Oct. 12, Election Day, Nov. 11.....  
 Ga..... Jan. 19, Feb. 12, April 26, June 3, Election Day, Nov. 11.....  
 Hawaii... May 30, June 11, Nov. 11.....  
 Idaho.... May 30, June 15, Oct. 12, Election Day, Nov. 11.....  
 Ill..... Feb. 12, May 30, Oct. 12, Nov. 11.....  
 Ind..... Feb. 12, May 30, Oct. 12, Elect. Day...  
 Iowa.... Feb. 12, May 30, Elect. Day, Nov. 11..  
 Kan..... Feb. 12, May 30, Oct. 12, Elect. Day...  
 Ky..... Jan. 19, Feb. 12, May 10, May 30, Oct. 12, Election Day.....  
 La..... Jan. 8, Shrove Tuesday, Good Friday, 3rd Tuesday in April, June 3, Oct. 12, Election Day, Nov. 11.....  
 Me..... April 19, May 30, Oct. 12, Elect. Day, Nov. 11.....  
 Md..... March 25, Good Friday, May 30, Sept. 12, Oct. 12, Election Day.....  
 Mass.... April 19, May 30, Oct. 12, Nov. 11.....  
 Mich.... Feb. 12, May 30, Oct. 12, Elect. Day...

Minn.... Feb. 12, Good Friday, May 30, Election Day, Nov. 11.....  
 Miss.... Jan. 19, April 26, June 3, (Oct. 1).....  
 Mo..... Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....  
 Mont.... Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....  
 Neb..... Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....  
 Nev..... Feb. 12, May 30, Oct. 12, Oct. 31, Election Day.....  
 N. H..... Last Thursday in April, May 30, Oct. 12, Election Day, Nov. 11.....  
 N. J..... Feb. 12, Good Friday, May 30, Oct. 12, Election Day, Nov. 11.....  
 N. M..... Feb. 12, May 30, Election Day, Nov. 11.....  
 N. Y..... Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....  
 N. C..... Jan. 19, April 12, May 10, May 20, Election Day, Nov. 11.....  
 N. Dak.. Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....  
 Ohio.... Feb. 12, May 30, Oct. 12.....  
 Okla.... May 30, Election Day.....  
 Ore..... Feb. 12, May 30, Oct. 12, Elect. Day...  
 Pa..... Feb. 12, March 4, Good Friday, May 30, Oct. 12, Election Day, Nov. 11.....  
 R. I.... May 30, Oct. 12, Elect. Day, Nov. 11..  
 S. C.... Jan. 19, June 3, Elect. Day, Dec. 28....  
 S. Dak.. Feb. 12, May 30, Elect. Day, Nov. 11..  
 Tenn.... Jan. 19, Feb. 12, Good Friday, May 30, June 3, July 13, Election Day, Nov. 11..  
 Texas... March 2, April 21, May 30, June 3, Oct. 12, Election Day, Nov. 11.....  
 Utah.... Feb. 12, May 30, July 24, Oct. 12, Election Day.....  
 Vt..... May 30, Aug. 16, Oct. 12, Nov. 11.....  
 Va. .... Jan. 19, May 30, June 3, Oct. 12, Elect. Day, Nov. 11.....  
 Wash.... Feb. 12, May 30, Oct. 12, Elect. Day...  
 W. Va... Feb. 12, May 30, June 20, Oct. 12, Elect. Day, Nov. 11.....  
 Wis..... May 30, Election Day.....  
 Wyo.... Feb. 12, May 30, Election Day.....

Holidays in Parenthesis ( ) are not Observed by all the Banks. Holidays falling on Sunday observed the day after.

Notes and acceptances due on holidays are payable day after except Nevada and Texas, where payable day before.



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San Diego, Calif

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SUNDAY, JANUARY 1, 1939

1st  
Day

Happy New Year

364 Days  
to come

Worked all day until late in the evening on the correlation of L and F, and H and F, Platteville series mgy. Made good progress, but these tabulations and calculations are certainly time-consuming.

Red Rattles reported by me of ~~the~~ boys at the Reptile club. Kearney Mesa.

MONDAY, JANUARY 2, 1939

2nd  
Day

363 Days  
to come

Worked all day and evening today - first on the fang correlations and regression lines which didn't go so well, then on the census for 1938 which is now completed, and forms the final table in the collecting study. This took a lot of work.

(May 6 Continued)

1 Arizona L DOR Date City. Fields

1 Gopher M DOR Holtville " (Saved)

Stopped for a Choc-malt at Holtville; then turned north to Calipatria and Niland. Left Holtville at 1<sup>10</sup>. Warm 86° and very windy.

1 Gopher S. DOR Holtville Fields

1 " " " " "

1 " " " Calipatria "

1 " L " " "

1 " " " " "

Niland at 2<sup>10</sup>. From here we went around the north-east side of Salton Sea.

Held up by Arizona police looking for a murderer at Pope.

1 Dipi L DOR at Durmid, Riv. Co. Low Brush.

1 Arizona L DOR Salton, Riv. Co. Low Brush desert (Saved)

Dip seen at Montmar

(Continued on Jan. 3<sup>d</sup>)

TUESDAY, JANUARY 3, 1939

3rd  
Day

362 Days  
to come

Company at dinner tonight; nothing done.  
(May be continued from Jan 2)

Whiptail and Uta. stans seen at Mortman.  
Caught a gopher alive at Mecca. He was  
crossing the road at 3<sup>40</sup> P.M. Warm and  
windy. Reached Indio at 4<sup>10</sup>. Blowing very  
hard. Much dust. Had a hard time deciding  
what to do next because of the unfortunate  
weather. Decided to go on toward Palm  
Springs.

1 Mitch M. DOR Cathedral City. Brushy  
desert with rocky hills 100 ft. away.  
Had supper at Whitewater. Thought  
some of going up toward 29 Palms but  
finally decided to try the aqueduct road.  
Left Whitewater and reached Garnet at 6<sup>15</sup>.  
Blowing a gale and already quite cold.  
A rotten night.

Went up several side canyons without  
any luck. Reached the head of Pishawalla  
Canyon at 7<sup>15</sup>. 68°. A little breeze. Not quite  
dark. There was little breeze at the canyon  
heads, but much wind and colder out on  
the main road.

1 Trionophodon COR 725, 62° (corrected)  
Wind blowing a gale. Brushy desert.  
Practically dark. This was between  
(Continued on Jan 4)

WEDNESDAY, JANUARY 4, 1939

4th  
Day

361 Days  
to come

Conferred with Mrs. Leslie at noon;  
started her tabulating the Jung lengths  
of Lucasensis series

Gene Fisher came over today  
with two sample pages of the night  
collecting paper; also one of the tables.

Discussed details

(May 6 Cont from Jan 3d)

Pushawalla and Berdo Canyon branches.

1 Colonyx COR Berdo Canyon  $74\frac{5}{2}$ ,  $66^{\circ}$

blowing a gale

1 Colonyx COR Berdo Canyon  $81\frac{15}{2}$ ,  $66^{\circ}$  gale.

1 " " Fargo Canyon  $84\frac{5}{2}$ ,  $64^{\circ}$  "

Found a pair of sidewinders mating on the road  
(branch to Fargo Canyon) at  $85^{\circ}$ . Strong wind  
blowing  $64^{\circ}$ . Dark. Although placed in the  
box carefully they were separated when we  
reached Indio.

1 Sidewinder COR  $85\frac{5}{2}$   $64^{\circ}$  ~ mi. up the same  
(Fargo) branch. Very windy.

Reached Indio at  $9^{\circ}$ . A very strong wind  
blowing (blew all night) Cold. Much dust  
flying. An impossible night. No moon up  
to this time. Found a good auto camp.

Total miles today 246. Miles evening hunt  
37. Miles in Imp. Co. irrigated territory 84.

What luck to have such lousy weather.  
Chas Shaw worked to day. Slept  
in house.



THURSDAY, JANUARY 5, 1939

5th  
Day

360 Days  
to come

Denel worked on worm snakes today.  
Worked on accounts tonight.

(May 7<sup>th</sup> Continued)

1 Gopher S. DOR Warners Grass  
1 Pacific Garter DOR 3 mi. E. of Hot Springs Hotel.  
Grass. Plenty red.

1 H.T. DOR Moretti's.

1 Banded Racer L DOR Moretti's Field Grass

1 Boyle's King M DOR Foster Sowed Fields

1 Band Racer M DOR San Diego Brush

Total miles today 146; San Diego County  
87.

Chas. Shaw worked today.

Grider reports a live patch-nose on the  
road at Moretti's, 9:30 AM

Jim Daniels Report (already entered in census)

1 R. lecontei	2 mi. W. of The Narrows	7:57 P.M.
1 A. s. occidentalis	1 mi. W. of the Narrows	DOR
1 S. occipitalis	1 " E " " "	DOR.
1 T. vandenburghi	The Narrows	"
1 S. occipitalis	2 " W " "	"
1 P. d. perkinsi	4 " " " "	8:58
1 A. s. occidentalis	5 " " " "	9:02
1 R. lecontei	6 " " " "	9:07
1 L. n. rosalia	Yaque Well -	DOR
1 T. o. hammondi	Sentenas Canyon	"
1 H. ochrochynchus	" "	"

(also. 13 geckos)

FRIDAY, JANUARY 6, 1939

6th  
Day

Feast of the Epiphany

359 Days  
to come

A little work on intraspecies  
fang curers tonight. Company.

(May 12 Continued)

1 Bonora L DOR Oasis saved.

Reached Indio at 9 and got gas.  $78^{\circ}$ . No  
breeze. No moon. Bufo cognatus was heard.  
Then started around the aqueduct road.

1 Sidewinder COR Fargo Canyon Junction  
 $94^{\circ}$   $69^{\circ}$ .

1 L. gracia COR Fargo Canyon ( $2\frac{1}{2}$  from  
upper end)  $95^{\circ}$   $71^{\circ}$ . A fine spec.

1 Cally DOR Fargo Canyon.

1 Platyrrhinus DOR } Fargo Canyon Junction.  
1 Coleonyx SOR }

A little breeze in evidence now out on the  
main road. Getting cooler.

1 L. gracia COR Berdoo Canyon branch 1 mi  
from the junction.  $101^{\circ}$   $71^{\circ}$ .

1 Platyrrhinus asleep on the road. 2 mi. up Berdoo  
Canyon from the junction.  $102^{\circ}$

1 Platyrrhinus asleep on the road 1 mi. NW of Berdoo  
Canyon junction  $104^{\circ}$ . Both of these were  
so flat on the road that they appeared dead.  
Tried both Pushawalla and Fan Hill branches  
without success. Passed up the others because  
it was so late

(Continued on Jan. 7)

SATURDAY, JANUARY 7, 1939

7th  
Day

358 Days  
to come

Worked all day on intraspecies  
fangy curves, their equations and  
suitabilities and made fair progress  
at least in visualizing the problems.

Out to dinner tonight.

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(May 12 Continued from Jan. 6<sup>th</sup>)

- 1 Colonyx at Pushawalla Junction
- 1 Spotted Nite COR Fan Hill Canyon Junction  
11<sup>05</sup> Somewhat breezy. 64° F.
- 1 Leaf nose COR 1000 Palms Canyon Junction  
11<sup>20</sup> 62° F Breezy.
- 1 ? LOR (Probably leaf nose) at Wide Canyon  
Junction. 11<sup>35</sup>
- 1 Platyphinius DOR Wide Canyon Junction.

Reached Banning at 12<sup>25</sup>. Now very  
windy and cold. Drove fast from Garnett  
to Banning and may have passed up  
DORs. This mileage should not be counted  
as part of evening desert drive.

Total miles today 233

Miles in San Diego County. all daylight 97.

Miles of evening desert hunt (S.D. Colie  
to Garnett) 117.

A fairly good evening, having in mind  
the lateness of the hour when we reached  
good territory (the aqueduct road). The boys  
were the cream of the hunt.

SUNDAY, JANUARY 8, 1939

8th  
Day

1st Sunday after Epiphany

357 Days  
to come

Worked all day and late into the evening on the fancy correlations. Made some progress — not as fast as I had hoped.

(May 13<sup>th</sup> Continued)

We hunted at one or two points in the Morongo Valley for a few moments, but got nothing. 1 X.V. got away. We left the paved highway and went north from Warren's Well (just east of Lone Star) at 10<sup>35</sup>. Hunted 2 mi. N. of Warren's Well and got a few lizards. This is a rocky area. Lizards not very plentiful. It was cool and breezy and partly overcast.

1 *Platyrrhinus* DOR 3 mi. E. of Rock Corral

Hunted at this point and got several lizards. Cool, breezy and overcast. Got a large *Magister* 2 mi. N. of Rock Corral.

2 large *Leopard* lizards DOR 3 mi NE of Rock Corral.

Now becoming increasingly cloudy and threatening.

Chuckawalla lost in the rocks 3 mi. E of Lucerne. This was at 1<sup>50</sup>.

*Platyrrhinus* DOR at this point.  
leopard lizard and whiptail DOR

(Continued on Jan 9)

MONDAY, JANUARY 9, 1939

9th  
Day

356 Days  
to come

Leopard lizard, Emigrant Wash, Death Valley, J. Dixon, Sept. 21, 1938.

Meeting of NH Fellows tonight. A little miscellaneous work tonight.

(May 13 Continued from Jan 8)  
at Dead man's Point.

Reached Victorville at 2<sup>30</sup>. It was cool and sprinkling. Forgot to get gas very foolishly. Had a good ice cream drink.

1 Gopher S. DOR 3 mi. E. of Adelanto

Thin brushy desert.

1 Platyrhinos DOR 5 mi. N. of Adelanto

2 Callis DOR Thin. N. of Adelanto.

More sprinkles and wind.

1 Red Racer M DOR 9 mi. N. of Adelanto

Brushy desert.

1 Gopher M DOR Kramer Hills Brushy desert.

After leaving Kramer, west bound it began to rain hard. Also we discovered we were practically out of gas and there are no stations along here. Much worried we passed up 1 DOR snake probably a scute. However we arrived at Mojave OK with one gallon to spare. This was a close squeak. Left at 4<sup>30</sup>; cold & rainy.

From Mojave to Bakersfield was a tough drive. Very heavy rain. Much  
(Continued on Jan 10)

TUESDAY, JANUARY 10, 1939

10th  
Day

355 Days  
to come

Got the first 12 galleys of the night collecting paper today. Also the separates of the last paper in Copeia

Movie tonight: The Grand Illusion.

rain nearly all the way. Creeks flooded. Some sleet and road slippery at Monrovia. A car over the hill near Bakersfield. Raining hard at Bakersfield.

1 Gopher L DOR Trees & grass  
2 mi. S. of Ilmon.

We got a meal and put up. I tried hard to go through to SF tonight but a/c station not being open until 8 after Owl had left LA the complications re accommodations were too difficult, so gave it up. Wrote diary and turned in at 10.

Miles today 247. A tough and fruitless day ofc unseasonable weather.

WEDNESDAY, JANUARY 11, 1939

11th  
Day

Alexander Hamilton—Born 1757

354 Days  
to come

Read proof today - quite clean.  
Got 2 more galley's completing part 1  
except tables.

Worked on F-H, F-L correlations  
tonight.

(May 14 Continued)

Many toads B.b. halophilus DOR  
11 mi. N. of Small's Corner = 2 mi. S. of  
King's County line on road to Corcoran.

Got 3 live C. silus and 1 DOR on  
Corcoran road 2 mi. N. of King's Co line  
in a barren field. This 5 mi. S.W. of Atwell,  
Kings Co.

Bugs noted 4 mi. S. of Corcoran, Kings Co  
1 Gopher M DOR 5 mi. W. of Corcoran, " " Fields  
1 Boyles K L " Guernesey, Kings Co, grass  
1 Gopher M " " " " "  
1 " " " Hanford, " " Gardens  
1 " " " Baton, Fresno Co, grass  
1 Longnose M " " " " "

(plenty y red).

Toads noted at Fowler, Fresno Co  
1 Gopher M DOR Malaga " " Fields  
Reached Fresno at 4<sup>30</sup>. Warm and  
very sultry. Gonder reports a hard shower  
at sunset. I caught the train to SF at 6<sup>15</sup>  
miles today 190. Reached SF at 10<sup>30</sup> and  
went up to the Fairmont

THURSDAY, JANUARY 12, 1939

12th  
Day

353 Days  
to come

Jim Deuel worked on warm snakes today.

Worked on equatoria tonight.

(May 15 Continued)

- 2 Rattlers DOR Reward, Kern Co, Fields.
  - 1 Gopher L DOR 2 mi. S. of Mc Kittrick, Kern Co  
Thin brush.
  - 1 Red Racer L DOR 4 mi. SE of Mc Kittrick, Kern Co  
Grass.
  - 1 Gopher S. DOR Fellows, Thin brush, saved head.
- Left Taft at 8<sup>10</sup> 7<sup>40</sup> Sky clear.
- Beginning of evening drive.
- 1 Arizona COR 8<sup>35</sup>, 70°F, windy. 10 mi. E. of Maricopa Junction at 9<sup>15</sup>. 68°F.
- Reached Bakersfield at 9<sup>45</sup>.
- Miles today 274; evening drive 53.



FRIDAY, JANUARY 13, 1939

13th  
Day

352 Days  
to come

Recd today the proofs of the tables  
and the second revision of the proofs of  
Part I text.

Company tonight.

May 16<sup>th</sup> Continued)

Toads DOR at Weed Patch.

1 Gopher L. DOR " " fields.

Evening drive.

Left Bakersfield at 6<sup>30</sup>. Temp 73°; breezy  
thin clouds. No moon. 69° at sunset.

1 Gopher S. DOR field - mesquite Old River, Kern Co.  
Saved head.

1 Gopher L DOR Elk Hills, Kern Co grass.

1 Red Racer M. DOR " " "

1 Rattlesnake S. DOR " " " Saved.

Toads collected 3 mi. S. of Bowerbank, Kern Co.

1 Arizona DOR Saved. Rosedale, Kern Co.

Reached Bakersfield at 9<sup>30</sup> 6<sup>20</sup>.

Too cold for good hunting.

Miles today 206; evening drive 54.

(after sunset)

SATURDAY, JANUARY 14, 1939

14th  
Day

351 Days  
to come

Worked hard all day and evening but didn't make the progress I had hoped. Did get the worm snakes entered in the big sheets up to date including color notes. But the fancy statistics went very slowly. Planned the figures.

(May 17 Continued)

1 Annela DOR Strand, Kern Co. Cottonwood flat.  
1 Gopher M DOR " " " Grass & mesquite  
1 " L " " " " " "

Skelly observed 3 mi. W. of Stevens.

1 Gopher S. DOR Bena, Grass Saverd  
1 " S " Lemon, Grass & brush.  
1 " L " " Grassy hills  
1 " M COR " Grassy hills 5:17 P.M.  
1 " L DOR Weed Patch Field - vineyard.  
1 Toad COR Stevens 74° 61°  
1 Arizona L COR 7 mi. W. of Old River, Kern Co.,  
64°, 8 P.M.

Returned to Bakersfield at 8:55. Many excellent roads, but too cool for night collecting. Miles today 171; evening drive 32.

Worked all day and late into the evening on the fang computations. Made some good progress.

(May 20 Continued)

- 1 Red Racer L DOR Elsinore Grass.
- 1 " " L DOR North Elsinore <sup>Rocks and</sup> light brush.
- 1 Horned Toad 2 mi W. of Perris DOR
- 1 " " Romoland, Riverside Co "
- 1 " " DOR 4 mi W. of Ribbonswood
- 1 " " " 2 " " " (Saved).

Reached Indio at 6<sup>10</sup> PM; warm and very windy. Partly cloudy. Started out again on the aqueduct road at 6<sup>45</sup>. Dusk. New moon. Blowing very hard. Warm. Windy.

Passed up Fargo branch. Next went up Berdoo Canyon branch 7 to 7<sup>25</sup>. Didn't see a thing. Not quite dark. Next tried Pushawalla Canyon 7<sup>35</sup> to 7<sup>50</sup>. Nothing. Now dark 7<sup>20</sup> at Pushawalla junction. Very strong wind out in the unprotected sections; fairly quiet up the canyons.

1 leafnose COR 1 mi. NW of Pushawalla Jct.  
7<sup>50</sup>, 68°. Strong wind. Dark at last  
Call this Pushawalla Canyon.

Next tried the Fan Hill Branch. 1 mi from the junction (on the way out) got 2 leafnoses. They were about 100 ft apart.

(Continued on Jan. 16)

MONDAY, JANUARY 16, 1939

16th  
Day

349 Days  
to come

Went to the reptile club tonight.  
Announced the outcome of the contest  
for 1938

Shaw 95

Miss Sprague 79

Dewel 30

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(May 20<sup>th</sup>, Continued from Jan. 15)

- 1 Leafnose COR Fan Hill Canyon 8<sup>17</sup> 68°F  
1 " " " " " 8<sup>18</sup> 68°F  
1 Sidewinder COR on the main road 2 mi SE  
of Wide Canyon Junction 8<sup>35</sup>; a hard  
wind blowing, 67°F

Drove up Wide Canyon. Then turned and  
drove back very fast to Berdoo Canyon  
Junction hoping to find a more protected  
area for the wind was very bad nearer  
Sangre de Cristo. Might have missed something  
on this trip (14 miles); wouldn't have  
missed anything large. Started up Berdoo  
Canyon at 9<sup>10</sup>.

- 1 Leafnose COR at entrance to this road  
9<sup>11</sup> 73°F.  
1 Spotted Night COR 9<sup>30</sup>; 72°F. Medium breeze.  
1 mi. inside the junction.  
Next tried Fargo Canyon 9<sup>42</sup> to 10<sup>10</sup>. Not  
a thing seen. Too cold and windy.  
Then drove fast back to Berdoo Canyon  
(Continued on Jan. 17.)

TUESDAY, JANUARY 17, 1939

17th  
Day

Benjamin Franklin—Born 1706

348 Days  
to come

got the proof of part 2 today.

Worked on accounts and proof-reading  
tonight.

May 20<sup>th</sup> Continued from Jan. 16)

1. Leaf nose COR 2 mi. up from Junction  
of Berdoo Canyon (in the Canyon) 10<sup>25</sup>; 72°.

1. Long nose DOR Indio Saved.

Returned to Indio 11. Warmer and a  
little less wind. 70° F. Turned in.

Total miles today 288. miles in.  
SD Co. 54 (all daylight). Night hunt  
95 miles. This included 18 miles driven  
fast. 4<sup>25</sup> hours in the night hunt.  
7 live snakes — 1 DOR.

WEDNESDAY, JANUARY 18, 1939

18th  
Day

347 Days  
to come

AIEE organizational meeting tonight.  
Still working on collecting paper

proofs.

(May 21 Continued)

1 Red Racer L DOR Gilman Hot Springs <sup>Field</sup> St. Brush  
1 " " L " " " " "

Had lunch at Homet at 1:30.

1 med gopher DOR Edgan (Santa Fe siding)  
Fields.

1 Garter M. DOR Temecula Fields.

1 Lateralis L " Temecula grade Brush.  
Saved head

1 Boyles K L DOR Temecula grade <sup>Brush</sup> trees

1 " " L " Poway grass

Arrived at home at 4 P.M. Cool and  
windy; clear.

Wile's today 171. Again a very  
disappointing list of DORs. Evidently  
the boys haven't been out lately.

Chas. worked for two hours after we  
returned. The basement is full of  
specimens awaiting attention.

Miscellaneous catching up tonight.

THURSDAY, JANUARY 19, 1939

19th  
Day

Robert E. Lee—Born 1807

346 Days  
to come

Received the last of the first galleries  
of the collecting paper today.

Concert tonight.

(May 27<sup>th</sup> Continued)

- 2 Gophers L DOR Pervis Fields Brush
  - 1 Trimorphodon S DOR Box Spring grade. Rocks
  - 1 Red Racer M DOR Verdemont, SBCo., Light Brush.
  - 1 Longnose M " " " "
  - 1 Boyles King L " Devore, S.B. Co. Wash.
  - 1 Gopher L DOR Devore Grass saved Just
  - 1 H.T. Blain. blain. 1 mi. NE of Canyon Summit.
  - 1 Gopher L DOR Miller's Corner Desert lt. brush.
- Saved.

Reached Victorville at 6:15. Rather cool.

Decided to go on.

- 1 Gopher L DOR Bayman Grassy desert
- 1 Red Racer L " " " saved.
- 1 " " L " " Light brush
- 1 " " L " Helendale " "

Sunset at 6:50. Preserved specimens  
at Barstow. Serviced the car and left  
there at 7:35. Warm and breezy. Dark.

A little more than  $\frac{1}{2}$  moon.

- 1 Sidewinder L COR Nebo 74<sup>3</sup>, 76° Brushy desert
- 1 " S " " 74<sup>1</sup>, 77° breezy
- 1 " L " Daggett 73<sup>9</sup>, 78° "
- 1 " L " Gale 84<sup>6</sup>, 77° "

(Continued on Jan. 20)

FRIDAY, JANUARY 20, 1939

20th  
Day

345 Days  
to come

Went over the last proof tonight;  
especially the tables. Also worked on

Jango

(May 27 Cont. from Jan. 19)

1 Sonora S. DOR Minineola  $81^{\circ}$   $76^{\circ}$  saved.

1 Sidewinder L. COR Rancho Larga Vega  
 $826$   $80^{\circ}$ .

2 Sonoras L 1 DOR 1 COR Hector.  $75^{\circ}$   $84^{\circ}$ .

These two snakes were together. The  
live one over the dead one. Trying  
to mate?

1 Coleonyx COR  $85^{\circ}$  Pisgah  $73^{\circ}$ .

From here on it was alternately  
warm and cool depending on the  
altitude. Little breeze; more than  $\frac{1}{2}$  moon.  
While we travelled fast, we certainly  
missed no large snakes and probably  
no small ones. May have passed up  
a Coleonyx or two. Don't know why they  
were so plentiful at first but not later.  
They weren't out or we would have  
seen DORs for there was plenty of  
traffic.

Reached Needles at  $11^{30}$  PM. Warm  
quiet. The boys went out for Toads and  
insects which they got, but R. was very  
tired and turned in. miles today. 347; S.D. 60  
70. Evening drive Barstow-Needles 147.



Worked all day on fang correlations and dispersions and made good headway but it goes slowly as always with these calculations.

~~Out to dinner tonight~~

(May 28 Continued)

Utas collected at Riverview (17 mi N. of Topock) and calley was seen.

Chucks were observed shot or collected 4, 3, and 1 mile SW of Oatman. All in lava rock. Reached Oatman at 10<sup>40</sup>. Chucks were seen and shot 1 mi. E. of Oatman. Chuck seen 2 mi. E. of Goldroad. Elev. 3500. Hunted in the grade below this point and shot 2 chucks. Rocky hillside. A collared lizard was observed here.

Got 2 *Xantusia vigilis* at the east foot of the Goldroad grade.

1 Leopard lizard DOR orange color 8 mi. SW. of Kingman.

A green Collared lizard was observed at McConnico.

We hunted for callies and chucks in a rocky-brushy wash 1 mi SW of Kingman. Got many callies—they were extremely plentiful.

Arrived at Kingman at 12<sup>40</sup> and left  
(Continued on Jan. 22)

Still on fang statistics all day.  
Out to dinner again.

(May 28 Cont. from Jan 21)

at 1:30 after picking all shot specs.

It was hot with scattered clouds.

1 Patchnose M DOR Louise. Very light brush.

1 Cally DOR. Walapai. light brush.

Sized up the tumbled boulders we had come to prospect. Hunted for a while at Valentine (Mohave Co). Shaw got a *Xantusia arizonae* which was one of the objectives of the trip. Also secured other lizards which were preserved. The rocks are too hard for the best results although they have some flakes.

Returned and hunted at Hackberry. Got a few lizards here but no *Xantusias*. The rocks are poor here. There are better ones between Hackberry and Valentine. Returned to Kingman at 4<sup>30</sup>.

1 Arizona M. DOR Louise. Light brush.

Loaded with gas and started for Boulder.

2 Red Racers M DOR 7 mi. NW of Kingman

Light brush. Saved head of one.

1 *Platyrrhinus* same.

1 Red racer L DOR 8 mi. NW. of Kingman Lt. brush.

(Continued on Jan 23)

Chas. Shaw worked today on  
rattlesnake counts and fang measurements.  
(Day 28 Cont. from Jan 22)

1 long nose M 10 mi. N.W. of Kingman  
(= 2 mi. W. of Chloride). Light brush.

Relatively short black blotches and  
plenty of red.

Platyrrhinus DOR 31 and 50 mi NW of Kingman

Reached Las Vegas at 7:35 warm and  
sultry and almost dark. Had tried  
unsuccessfully for rooms at Boulder  
City. The auto courts in Las Vegas  
were filling rapidly but we got fairly  
good accommodations.

Had supper and started at 8:15 on  
what was to prove one of the most  
unsuccessful night hunts of all time.  
The night was quiet and fairly warm.  
2/3 moon. Cool in the low spots but  
plenty warm enough on higher ground.

First went to Junction of Searchlight  
road which was reached at 8:43 78°

Went 14 miles down this road. It  
is now paved to 10 miles north of  
Searchlight and looks good but wasn't  
Platyrrhinus DOR 1 and 2 mi. S. of the  
Junction.

(Continued on Jan 24)

Chas. Shaw worked today on rattlesnaps.

Movie tonight.

(May of Continued from Jan 23d)  
Caught a *Coleonyx* 8 mi. S. of the  
Junction 9 PM.  $76^{\circ}$

1 Whiptail DOR 11 mi. S. of the Junction.

Turned back north at 9:15;  $76^{\circ}$  Quiet.  
Reached the junction again at 9:37,  $76^{\circ}$ .  
Went down Hemmenway Wash to  
the landing; then to the dam;  
then home via Boulder City.

1 *Platyrrhinus* DOR 4 mi. W of Boulder City.

1 Arizona S DOR Boulder City.

Reached Las Vegas at 11:30;  $68^{\circ}$  Quiet.  
Don't know what was the matter tonight.  
It was certainly warm enough.

missed only one possibility; Jim  
thought he saw a small snake while  
we were approaching Las Vegas at  
dusk. We were then in a hurry  
to get there to get rooms and supper.  
Don't think we missed anything on  
the night trip.

miles today total 322; night  
hunt 92.

WEDNESDAY, JANUARY 25, 1939

25th  
Day

Conversion of St. Paul

340 Days  
to come

Chas. Shaw worked on fangs today.  
Bob Hoard called today and took  
photographs.

(May 29 Continued)

We found Grater showing a freshly killed  
rattler to the CCC boys. It was a fine  
specimen (a *pyrrhus* - *stephensi* intergrade)  
which had been caught alive that morning  
but had died from the heat. It had eaten  
a full grown *Cnemidophorus*.

We next went back up to Grater's office  
and went over his specimens - that is  
the ones lately acquired since I had  
identified his collection. He gave me a  
number of fine specimens including 4  
more rattlers, 2 *Sonoras*, and a *Trimorphodon*  
proving once more the statement that the  
place to hunt is in someone else's  
laboratory.

He had a number of new and  
interesting records. One rattler, a *pyrrhus*  
from Fortification Hill near Kingman Wash  
contained a chuck. Gila Monsters  
have been collected at Pierce's Ferry  
and Emery Falls (4 mi. inside of Grand  
Canyon). *L.g. boylii* at Searchlight.  
Sidewinders have been taken at Boulder  
(Continued on Jan. 26)

Some tabulating tonight. Also  
checking proof again.

(May 29 Cont. from Jan. 25)

City, up by the water tank.

While taking leave of Grates we were shown a telegram from Hall that Dr. Jos Grinnell had died. This was sad news and a great blow to zoology. A more thorough careful and enthusiastic worker I never knew. He was responsible for the high standard of MVZ and a whole generation of important zoologists.

We left Boulder City at 2:45 and Las Vegas at 3:25. This was later than I had hoped to get away but the visit to Grates was certainly worth while. It was very hot as we pulled out.

1 Red Racer	L	DOR	Sloan	Rocks + ct. brush
1 Gopher	L	"	Erie	light brush.
1 Arizona	M	"	"	"
1 Whiptail	L	"	"	"
1 Platy	L	"	"	"
1 Hornose	M	"	"	"

Even red and black rings, the black being twice the width of the red

(Continued on Jan. 27)

FRIDAY, JANUARY 27, 1939

27th  
Day

338 Days  
to come

Chas and Jim both worked today.  
Spent the evening on miscellaneous  
items and got in some good ticks.  
All second proofs have now been  
returned.

(May 29 Continued from Jan 26)

We ran over another platy at Eve.

- 1 Cully DOR and 1 Dip seen at Roach.
- 1 Leopard lizard DOR south end of Ivanpah  
dry lake.
- 1 Red Racer L DOR Valley Well, Lt. brush.
- 1 Arizona M DOR Yucca Station Joshua forest
- 1 Gopher S " " "
- 1 Red Racer L " Halloran Spr. light  
blush.
- 1 Gopher L COR " " "

5:10 P.M. Cloudy and warm.

Reached Baker at 5:25. Very hot.

Shot a couple of chucks at 5:45 on  
rocks and saw a whiptail active at  
this time. This was on Cat Mountain

Reached Barstow at 6<sup>45</sup> and loaded  
up with gas and supplies. Started  
out again at 7-. Dusk. 84°. Slight  
breeze. Some clouds. 80% moon.

Breeze died down later and the night  
was good. Poor results must be  
attributed to the moon.

(Continued on Jan 28)

Jim worked today. Packed specimens for Tanner.

I worked all day and late into the evening on the fangs. Arrived at the conclusion that what I had done so far was not well developed and correlated - this relating particularly to interspecies variation. Decided to do it all over, scrapping much of the present work.

(May 29 Continued from Jan. 27)

1 *Anura* COR (but ran over him)

Mace. Lt. brush.  $82^{\circ}$ , 7:20 not quite dark

1 Gopher L DOR Mace Lt. brush saved.

1 " " " Hunkley " "

1 Longnose M COR Hawes " " 8:00,  $78^{\circ}$

Still a faint glow in the west.

1 *Platy* DOR Jim Grey saved.

Reached Kramer Inlet at 8:18,  $76^{\circ}$  and started north.

Caught a gecko 7 mi. N. of Kramer Inlet. at 8:30,  $74^{\circ}$ . Lt. brush.

1 Gopher M. DOR 11 mi. N. of Kramer Inlet.

1 *Anura* L DOR 11 mi. S. of Atolia. Lt brush Saved.

1 *Platy* DOR 10 mi. S. of Atolia  
(Continued on Jan. 29)



SUNDAY, JANUARY 29, 1939

29th  
Day

4th Sunday after Epiphany—Lutheran Transfiguration  
William McKinley—Born 1843

336 Days  
to come

Made some headway on the rewrite,  
working all day and evening. A  
tough and thankless job. Grant  
came in tonight.

---

(May 29 Cont. from Jan 28)

Turned at Atolia at 9 P.M. Picked up a  
large gopher alive by the side of the road  
just as we turned. 9:25; 78°.

Platys were noted DOR 7, 10, and 13 mi. S.  
of Atolia.

9:38; 73°

Arizona M. 5 mi. N. of Kramer Jct. COR

Passed Kramer Jct. south bound at

9:45; 70°

1 leopard lizard DOR. 1 mi S. of Kramer Jct.

1 gopher M DOR Kramer Hills

1 " M. DOR " " (saved).

1 " L " " " (saved head).

1 " S " " " (saved).

1 Cally DOR 14 mi. N. of Adelanto

1 longnose M DOR 10 " " " (saved head).

Passed Adelanto at 10:50; 60°. Driving  
fast now. Miller's corner (at jct. of 39 & 66)  
at 11:0; 58°.

Hylas heard at Cajon stations. 11:25

Reached San Bernardino (Bell Auto Camp)  
at 11:45. 55°. Foggy. Preserved specimens  
until after midnight.

(Continued on Jan. 30)

MONDAY, JANUARY 30, 1939

30th  
Day

Franklin Delano Roosevelt—Born 1882

335 Days  
to come

Chas Shaw worked today

Done work on fangs tonight

(May. 29 Cont. from Jan. 29)

Another very disappointing evening.  
Worked hard today. Pretty tired tonight.

Miles today 369. Evening drive  
(Barstow to Miller's Corner) 118.

Trimorphodon note from Grater's  
collection: All three specimens which  
he had from Boulder City had anal  
entire.

TUESDAY, JANUARY 31, 1939

31st  
Day

334 Days  
to come

Shaw worked today

Conferred with printer re page proofs  
of collecting paper

Some work on fungi tonight.

(May 30 Continued)

1 Boylex King M DOR Poway Trees & grass.

1 ? LOR Poway grade

1 Ruben M DOR " " Brush.

1 Grayson M DOR Grantville (mission)  
Fields. Dark Color.

Reached home at 2:10. Cool, overcast  
and breezy.

Jim and Chas. Unloaded the car  
and took care of all specimens.

Miles today 129; in SD Co 67  
Total miles for the trip 1172

Spent the afternoon catching up.  
Saw Perkins for a few moments at the  
zoo at 5. Worked hard on miscellaneous  
items tonight.

Out to dinner tonight.

(June 4 Continued)

1 Leafnose L COR 1 mi W. of Bensons  $8^{18}$   $68^{\circ}$

Dark. No moon yet. Cloudy & windy

1 Coleonyx COR 3 mi. W. of Bensons  $8^{28}$   $66^{\circ}$

1 " SOR "  $8^{31}$   $66^{\circ}$

1 Sonora L COR 4 "  $8^{35}$   $66^{\circ}$

1 " " " 4 "  $8^{37}$   $66^{\circ}$

1 Phyllor L " 4 "  $8^{40}$   $66^{\circ}$

1 Sonora L DOR 6 "  $8^{50}$   $64^{\circ}$

(Saved. Very cold and windy)

1 Coleonyx 3 mi. E. of Narrows COR  $8^{53}$   $64^{\circ}$

1 Sonora L DOR 3 mi. E. of Narrows  $8^{58}$   $62^{\circ}$  Saved

2 Coleonyx 1 COR 1 SOR The Narrows  $60^{\circ}$   $9^{03}$

Blowing a gale here

Reached the Narrows at  $9^{07}$   $59^{\circ}$  Gale

1 Leafnose COR  $9^{17}$  4 mi. W. of Narrows  $58^{\circ}$

1 " "  $9^{22}$  Yaqui Well  $58^{\circ}$

Still very windy. Moon back of clouds.

Reached Scissors Crossing at  $9^{38}$  Very windy

$50^{\circ}$  nearly full moon coming out.

Reached home at  $11^{35}$ ; cool and windy.

Miles for the trip 184; daylight drive

(all SD Co) 77. Night desert drive

(Narrows to Bensons - back to Scissors) 31.

Time 2 hr. 8 minutes.

Got 7 live and 2 fresh DOR snakes

(Continued on Feb 2)

THURSDAY, FEBRUARY 2, 1939

33rd  
Day

Purification of B. V. Mary (Candlemas Day)

332 Days  
to come

Got the page proof of the collecting paper today. Recd copies of Atsatto paper on lizard colors and Bogerts on Salvadora.

---

(June 4 Cont. from Feb. 1)  
and 4 *Coleonyx* - a surprising result for so cold a night. The moon must be the principal deterrent.

Passed up a good many geckos. Didn't pass any snakes on the highway but may have passed a number on the berm as we drove fast much of the time it was so cold and late. All snakes seen were very clear on the highway.

FRIDAY, FEBRUARY 3, 1939

34th  
Day

331 Days  
to come

Worked on miscellaneous frog  
material tonight.

(June 19<sup>th</sup> Continued)

1 Worm Snake L COR 1 mi E. of Scissors Crossing  
7:40. Windy; not quite dark 68°

Another same at 7:42.

Went down a little beyond the  
Pentecost Canyon Bridge and came back  
hoping for more worm snakes.

1 Gecko COR 2 mi. E. of Scissors 8:02 70°  
breezy; almost dark

Got 3 worm snakes all Large at 8:03,  
8:08, 8:11 all 1 mi E. of Scissors  
Crossing. 67°. One had been hit  
and died later. Maybe I hit him.  
It was now dark and breezy.

1 Phyllorhynchus COR 1 mi. E. of Scissors  
Crossing 8:15; 67° Cool and breezy  
Reached Scissors Crossing at 8:18  
and again turned eastward.

1 Worm Snake L COR Scissors Crossing  
8:20 68° Dark, breezy. This  
was 1 mi. W. of the cattle guard.

1 Worm Snake 1 mi E. of Scissors Crossing  
COR 8:27 71°. This made a  
total of 7 large worm snakes. (one  
injured) the best haul in the history.  
(Continued on Feb. 4)

Worked in the early morning checking the page proof. Then checked the specimens sent for identification by the Boulder Dam Recreation Area.

Spent the rest of the day and until midnight on the fancy calculations. Seem to be doing it over and over. Don't think I was wasted so much time on repeated curve drawing and calculation. At any rate it is getting more logical and coordinated. Hope this is the last time the  $ax^2+bx+c$  curves have to be recalculated.

Chas Shaw worked today on rattles counts.

A damaged *A. occipitalis* from the Boulder Dam area Body rings 31, tail 10, No. 17 is the first to cross the belly. Bands wider than the interspaces.

(June 9 Cont from Feb. 34)

of the business.

1 leaf nose COR  $8\frac{32}{100}$ ,  $71^\circ$  Just w. of Sentenac <sup>Br.</sup>

(Passed the Sentenac Bridge at  $8\frac{35}{100}$ )

1 leafnose COR 2 mi. W. of Yagui Well  $8\frac{39}{100}$ ,  $72^\circ$

1 " " 2 " " " " "  $8\frac{41}{100}$ ,  $72^\circ$

1 " " 2 " " " " "  $8\frac{46}{100}$ ,  $72^\circ$

1 Sonora " 2 " " " " "  $8\frac{46}{100}$ ,  $72^\circ$

(Continued on Feb. 5)

SUNDAY, FEBRUARY 5, 1939

36th  
Day

Septuagesima

329 Days  
to come

Worked all day on the fauna  
and made headway in simplification.  
When Mrs. Leslie completes some  
calculations will be on the home  
stretch, at least up to the species  
comparisons.

Left for Los Angeles on the  
evening train.

(June 9 Continued from Feb 4)

1 Sonora DOR 1 mi. W. of Yagui Well (saved)

1 leafnose COR 1 mi. E of Yagui Well 8:57, 72°

2 geckos " 1 " " " " 8:59, 72°

Very breezy now and all the way  
to Bensons and beyond. No moon.

1 leafnose COR 2 mi. W. of Narrows 9:06, 72°

1 gecko " 2 " 9:08, 72°

1 Sonora " 2 " 9:10, 73°

(hurt but lived until next morning)

1 gecko COR 1 " 9:14, 73°

1 Sonora " The Narrows 9:19, 74°

Reached the Narrows at 9:21, 74°

blowing hard.

1 Sonora COR 1 mi. E. of The Narrows 9:24, 74°

1 " " 1 " 9:26, 74°

1 gecko " 1 " 9:26, 74°

1 Sonora DOR 2 " (old)

1 gecko COR 2 " 9:31, 74°

(Continued on Feb. 6)



In Los Angeles today on business.  
 Returned in late train.

(June 9<sup>th</sup> Continued from Feb. 5<sup>th</sup>)

- 1 Phyllor. COR 3 mi. E. of The Narrows 9:33 75°  
 (Very high wind)
- 2 " DOR 3 mi. E. of The Narrows (saved both) 9:41 75°
- 1 " COR 3 " " 9:43 75°
- 1 Sonora COR 4 " " 9:44 75°
- 1 Leafnose COR 4 " " 9:46 75°
- 1 " " 4 " " 9:48 75°
- 1 Sonora " 4 mi. W. of Bensons 9:56 75°
- 1 Leafnose " 3 " " " 10:01 77°
- 1 Red Racer DOR L2 " " " " 10:08 76°
- 1 Sonora COR Bensons 10:11 76°

Reached Bensons at 10:11 76° Quite windy. He was closed up.

- 1 Phyllorhynchus COR just a few feet inside the County line. 10:20 77°. Now started to drive faster.
- 1 Leafnose COR County line but in Imperial County 10:24 78°
- 1 Leafnose DOR 2 mi. E. of County line.
- Reached the junction at Knie Spring at 10:47 still Windy. 78°
- From here on we drove north to Indio very fast because it was so late. Between
- (Continued on Feb. 7<sup>th</sup>)

Jim Deuel worked on worm snakes today.

Took dummy back to FOS today  
accounts tonight.

(June 9 Continued from Feb. 6)  
the interference from truck lights, the difficulty of stopping safely, and the high speed we undoubtedly passed up many COR's and DOR's; we had no means of knowing how many. Never had a better illustration of the objectionable features of heavily travelled roads. Certainly lost one large snake near the Riverside County line and another near Valerie. It was very disappointing after the wonderful going in the Borego area.

- 1 Sonora COR 3 mi NW of Kane Spr. 10<sup>55</sup>; 76°
- 1 Arizona MDOR 2 " SE of Oasis Bushy desert.
- 1 leafnose LDOR Oasis Saved.
- 1 Desert Gopher LDOR Oasis

Arrived at Indio at 12<sup>10</sup>. Warm and windy. Crotalids heard at Oasis, Valerie and Indio.  $\frac{1}{2}$  moon arose as we landed. Pickled specimens until 12:40. This was the best evening hunt I have ever had. 31 live snakes including the injured worm and Sonora.

(Cont on Feb. 8)

WEDNESDAY, FEBRUARY 8, 1939

39th  
Day

326 Days  
to come

Got the dummy again today.

Move tonight

---

(June 9 Continued)

Total miles 160. Miles daylight (all  
S.D. Co) 58. Miles evening drive - slow  
or fairly slow hunting: 44 (elapsed  
time 3 hr. 12 min); fast on heavy  
highway 47 mi. (1 hr, 23 min.)

Wrote this at Indio next day; very  
hot and sticky and hard to write  
as my hand sticks to the paper.

THURSDAY, FEBRUARY 9, 1939

40th  
Day

325 Days  
to come

Turned back the dummy today.  
Only 3 or 4 minor corrections. Now ready  
to print.

Started for El Centro today  
at 2 P.M. with Bellmann to talk at the  
PECA meeting. Arrived at 4<sup>30</sup>. Plenty  
snow in the mountains. 89 miles in the  
county. Nothing seen.

Returned tonight starting at 9<sup>20</sup> and  
arrived at 11<sup>30</sup>. Very cold enroute.

Note from Deuel's diary.

S.o.b. under a tire can at Little Murray.  
C. marmorata here.

Electrical Meeting tonight

(June 10 Continued)

1 Arizona M DOR Whitewater. Rocky wash.

1 Sonora L DOR Edom Brushy desert.

light brown rings on a white background.

Returned to the auto camp and waited for Chuck to come to life. Had breakfast and went out to scout the aqueduct road at 8<sup>40</sup>. It was already quite hot.

Notes on the road and its branches are as follows: The main road starts low at 60-70 but goes up quite high then low again at Garnet. Thus there are a variety of bordering areas - some sandy, some brushy, some cactus. No rock cliffs on the main road but plenty of scattered boulders at various points.

The branches are as follows:

Fargo A long run up an alluvial fan; then a sandy, rocky creek bed. The actual canyon part is quite short.

Bardoo. Short entrance. cone; then a canyon with a winding rock-strewn river bed on one side and rocky cliffs on the other. No flaking rocks. Looks like the best canyon for rock -  
(Continued on Feb 11)

Worked from early morning until late in the evening on the fancy computations. Made good headway on many points but it is astonishing how slowly it goes. Still on the regression equations.

All the boys worked today - Bloomfield for the first time! He is on NYA.

Shaw worked on South Dakota rattlers, Bloomfield on King Snakes, Devel on worm snakes - the Baylor lot.

---

(June 10 Cont. from Feb. 10)

inhabiting forms

Pushawalla is relatively short. Mostly an alluvial fan covered more with cactus than rock. One turns back at the mouth of the canyon so that there is really no canyon at all.

Fan Hill. The road is rather good; mostly greasewood and boulders. It is higher than the others as the main road has been coming up a long slope. 1000 Palms. The road is unpaved so we didn't explore.

Wide Canyon. This is a brush covered  
(Cont. on Feb. 12)

SUNDAY, FEBRUARY 12, 1939

43rd  
Day

*Sexagesima*  
Abraham Lincoln, Born 1809—Georgia Day (Ga.)

322 Days  
to come

Worked all day and late into the evening on the fang statistics. Think now the intraspecies data is practically complete. Spent too long on this. Did a little work on the Baylor worm snakes. All three boys worked part of the day.

Note from Deuel's diary.

Harbison Canyon. No snakes seen

1 Orcutt shot.

8 *X. henshawi* collected mostly on south sides of rocks.

1 dried *Coleonyx* under cap rock

---

(Feb. June 10 Cont from Feb 11)

fan. There is no true canyon.

Long Canyon. Unpaved and unexplored little Morongo. This is the longest side road of all. The pavement has been washed in several places. The fan is somewhat lower and more barren than the ~~low~~ others (hence the sidewinders that evening). The brush gets heavier as one goes farther in. The canyon part is short, but there is some.

Altogether these side roads show some mighty good territory, much like Bongo. Many scattered boulders, light and heavy  
(Cont. on Feb 13)

People in to dinner tonight. Red Mexican rattlesnakes from USNM arrived today.

---

(June 10 Cont from Feb. 12)

brush, a little side canyon work (but no granite) washes, some cactus. The total distance from the point where you leave US 60-70 to Garnet including all paved branches is just 70 miles.

The reptiles taken on this morning exploratory trip were as follows (it was a mighty hot morning); we started out at 8:40.

1 Sidewinder, M. DOR Indio. Sandy desert (was at beginning of aqueduct road) Dips and callies were exceedingly plentiful at entrance to Fargo branch. Watching them run down the road it was noted that dips run on all 4 legs, but one was seen to run on 2. Many were perched on rocks. Observing callies run away up a paved road I would say the tails are not curved over the back. Got a leopard lizard on the Fargo branch. Dips were seen well up into Fargo; then chucks several of which were collected.

(Continued on Feb. 14)



TUESDAY, FEBRUARY 14, 1939

45th  
Day

St. Valentine's Day

320 Days  
to come

Out to dinner tonight.

(June 10 Cont. from Feb. 13)

In this and other canyons (including Berdoo) the chucks were often on the rounded stream-bed boulders, not on cliffs.

Hunted in sand dunes between Fargo and Berdoo junctions. Collected 2 dips; callies and whips were seen.

Chucks were plentiful up in Berdoo canyon; we collected only 1 or 2.

A chuck was seen in Pushawalla ranch. It was windy on this fan. Callies were seen and a few dips, but they were now less common.

Got a leopard lizard in Fan Hill, a female with orange, but seemed thin as if the eggs had been laid.

Dips were seen between 1000 Palms and Wide Canyon junctions. Also callies.

Just north of Long Canyon Junction two dips were mating on the highway at 11<sup>45</sup>. Hot and windy. The male was on top; his head slightly to the rear, with his tail curled under hers. They broke away suddenly when frightened. We collected the male. Callies were seen here. Also at Little

(Continued on Feb. 15)

Preparing for speeches tonight.

Continued from next page.

S. o. kiseriatus Rampart Point, Top Grand Wash, Ariz.

C. t. tessellatus Hammenway Wash.  
St. Thomas, New.

B. w. woodhousii Boulder Dam  
near Quartermaster Canyon above Lake Mead, Ariz.

B. punctatus "

H. arenicolor "

K. catesbeiana Hammenway Wash.

(June 10 Cont from Feb 14)

Morongo Junction (both callie's and dips)

We returned to Indio at 12<sup>25</sup> and had lunch. It was very hot. Spent the afternoon sleeping for a short time (mighty little last night) and writing in this diary.

Total miles morning aqueduct-exploratory drive 97.

(Continued on Feb 17)

THURSDAY, FEBRUARY 16, 1939

47th  
Day

318 Days  
to come

Talked to Rotary in Mt. Heller today.  
Worked on statistics tonight.

- Localities of specimens identified  
for Boulder Dam Recreational Area.
- Ronora occipitalis* Boulder City  
*Ronora semiannulata semiannulata*  
Hemenway Wash  
Boulder City  
*Ronora miniata linearis*  
Hemenway Wash.  
*Lampropeltis g. californiae*  
Kaolin, Nev.  
*P.p. platyrhinos* Pierce Ferry, Ariz  
Hemenway Wash  
Boulder City  
Rampart Point, Top Grand Wash, Ariz  
*U. s. stansburiana stegneri*  
Hemenway Wash.  
Boulder Dam  
Willow Beach, Ariz  
Las Vegas Wash.  
Kingman Wash, Ariz  
*Uta graciosa*, Willow Beach  
*U. o. symmetrica*, do  
Boulder Dam  
(Cont. on previous page)

## Junior Folie's tonight.

From Devils diary

Collected 3 D. a. similis under  
flat shallow rocks. Alvarado Canyon  
(I got 2 so don't duplicate)  
5 E. s. s. kiltonianus. Fewer  
batrachoseps than a week ago.

---

(June to Cent. from Feb 15)

Started on the evening drive at 6<sup>55</sup>.  
warm and very windy. Sundown at  
6<sup>45</sup>. No moon tonight. Temp. 90°.

Reached Fargo Canyon Junction at 7<sup>06</sup>.

1 Pyrhus L. COR 5 mi. up Fargo Canyon  
from the junction; practically the  
head of the canyon. Dist 7<sup>18</sup>; 85°; rocky  
creek bed. Our attention was drawn  
to him, as he rattled as we passed  
although he was by the side of the road  
in the rocks - not on the road. Think this  
the first time I ever knew a rattler to  
rattle at a passing car, and thus  
cause his own undoing.

Started up Berdoo Canyon at 7<sup>45</sup>.  
turned at the end at 7<sup>55</sup>; still a little  
after glow.

1 Pyrhus L. COR near Berdoo Canyon  
(Continued on Feb. 18)

Shaw and Reuel worked today.

Worked all day and until nearly midnight. Plotted a lot of figures and made some real progress on the interspecies comparisons.

(June 10 Continued from Feb 17)  
(up branch) Inct.  $8^{\circ}5$ ,  $83^{\circ}$  Rocky desert, some breeze. Much disappointed at lack of snakes in Berdoo Canyon, so we tried it again from  $8^{\circ}10$  to  $8^{\circ}30$  but no luck. It was very windy out in the flat; quiet and warmer up the canyon. Seemed ideal; can't explain failure.  
1 leafnose COR Pushawalla branch, on the way down, 1 mi from the junction  $8^{\circ}49$ ;  $80^{\circ}$ .

Lost a gecko near the head of Fan Hills branch at  $9^{\circ}15$ ;  $80^{\circ}$ .

Lost a snake on the road on Wide Canyon branch 1 mi from the junction. Probably a leafnose  $9:40$ ,  $76^{\circ}$ , windy.  
1 leafnose COR on branch a short way above Wide Canyon Inct.  $9^{\circ}47$ ,  $75^{\circ}$ , cool & breezy. From now on things got better.  
2 leafnoses COR main road 1 mi NW of Wide Canyon Inct. Saw the second ahead while picking up the first.  $9^{\circ}52$ ,  $76^{\circ}$ ; breezy.  
(Continued on Feb 19)

SUNDAY, FEBRUARY 19, 1939

50th  
Day

Quinquagesima

315 Days  
to come

Shaw worked today.

Worked all day ~~and~~ evening and made good progress on fangs. Practically finished, but there is still much to be done on details figures etc. Spent a lot of time examining fangs under the microscope.

(June 10 Cont. from Feb. 18)

- 1 leafnose L COR main road 2 mi NW of Wide Canyon Jct.  $95^{\circ}$ ,  $76^{\circ}$ , breezy.
- 1 Arizona SCOR main road 3 mi SE of Little Muronggo Jct.  $100^{\circ}$ ,  $76^{\circ}$  very windy.
- 1 leafnose COR 1 mi. SE of Little Muronggo Jct.  $105^{\circ}$ ;  $77^{\circ}$ ; very windy.
- 1 Sidewinder COR 1 mi. SE of Little Muronggo Jct.  $107^{\circ}$ ;  $77^{\circ}$ ; very windy.

Next went up the Little Muronggo branch.

- 1 Sidewinder L COR near Junction  $102^{\frac{25}{32}}$ ,  $76^{\circ}$  very windy
- 1 Arizona M COR 3 mi above Jct.  $103^{\frac{32}{32}}$ ,  $76^{\circ}$ , "

(raised his head and watched us like a racer)

- 1 Sidewinder M COR 1 mi. from Jct. on the way back.  $105^{\circ}$ ;  $76^{\circ}$ ; very windy.

Reached Garnet at 11; blowing a gale.

From here on we went home fast; late and tired; the trucks were bad from Garnet to Palm Springs Jct.

(Continued on Feb 21)

F.N. Cox of Berkeley writes that he has evidence that a sea-snake was taken 5 years ago off San Clemente.

Went to the reptile club tonight; not very much interesting discussion. They doubt Cox's record above.

Went up to the zoo with Perkins to look at eye shine. It was very strong in a large toad; noticeable in a number of snakes including Crotalus. That is we got an observable glow with flash lights - not just a reflection from the eyeball. Question is - what is eye shine? Whether it is present in reptiles depends on the definition.

TUESDAY, FEBRUARY 21, 1939

52nd  
Day

Shrove Tuesday  
(Mardi Gras, Ala., Fla., La.)

313 Days  
to come

Went to Los Angeles today on business. A clear warm day. With Holloway. Started at 12<sup>20</sup>, arrived at 3<sup>10</sup>. Returned 4<sup>40</sup> to 8<sup>20</sup>. Nothing seen going up. 54 miles

(June 10 Cont from Feb 19)

- 1 Platyrrhinos DOR Garnet.
- 1 Arizona S DOR Whitewater; had eaten a mouse
- 2 " " " Palm Springs RR Sta. had eaten a mouse
- 2 Sidewinders S DOR Palm Springs (1 mi NW)
- 1 Boyles King S " " "
- 1 Leafnose M " " "
- 1 Sonora L " " " (saved)
- 1 Sidewinder S " " " ( " )

Reached Palm Spring at 11<sup>48</sup>; 72°.

- 1 Sidewinder S DOR Cathedral City (saved)
- 1 Leafnose S DOR 4 mi SE of " "

Reached Indio at 12<sup>30</sup>; 81°; slight breeze. Preserved 3 specimens and turned in pretty tired.

Early morning drive	64 miles
Morning drive	97 "
Evening drive	119
	<hr/> 280

Of the latter 75 was at low speed on the aqueduct road 4 hr. 5 min; the balance 44 miles in 1 hr. 30 min. 13 live snakes tonight. (Cont on Feb. 22)



WEDNESDAY, FEBRUARY 22, 1939

53rd  
Day

Ash Wednesday  
George Washington—Born 1732

312 Days  
to come

Worked all day on the fangs and did a lot on correcting and straightening out. Wrote conclusions. All done now except odds and ends. Figures.  
Move tonight.

Note from Deuel's diary.

A P.b. blainvillii reported out today.

---

(June 10 Cont. from Feb. 21)

The early part of the evening was a great disappointment as we had hoped to get boas, worm snakes, and trimorphodons in the rocky canyons. The best canyons produced little; the main road and the other canyons were much better. Maybe it was the cooler evening later.

Today received the first preliminary copy of the "Studies of Reptile life in the Arid Southwest" Looks Ok.

(June 11 Continued)

1 Gopher S DOR Victorville Scattered brush + fields.

1 Dips seen 15 mi. S. of Kramer Inst.

1 Cally " 10 " " " "

Reached Atolia at 151.

Hunted a few moments in lava mts (Chuck did while I slept) Saw nothing but utas.

Then came on to Trona where we arrived at 4 P.M. Very hot.

After having a drink we went up to an oil station and examined our specimens. This was at 10 to 5 as I had spent some time writing in this diary. We found that the snakes had been overheated and nearly all were dead. The dead included the two large mitchies, the coleonyx, most of the Sonoras and leafnoses, 1 worm out of 5 (we had w/ their moss), 1 sidewinder out of 3, both Arizonae etc. We worked until 7 preserving these specimens, handicapped by lack of bottles and other facilities and surrounded by a large and admiring crowd. We dozed

(Continued on p. Feb 24)

FRIDAY, FEBRUARY 24, 1939

55th  
Day

St. Matthias

310 Days  
to come

Went to Los Angeles today with gg.  
Started at 7<sup>35</sup>, arrived at 10<sup>15</sup>. A  
slight sprinkle early in the morning,  
otherwise cool and almost clear. 54 miles  
nothing seen.

Busily all day with meetings.

Returned 4<sup>45</sup> to 7<sup>50</sup>. Then to the  
office to clean up. Found that 400 copies  
of the Studies paper had been delivered at  
the office.

Worked until 10.

From Devel's diary

1 P.C. annectans DOR Solana Beach.  
(June 11 Continued from Feb 23)

The specimens up in various ways in  
an attempt to save them. We then had  
a quick supper and left Trona at  
dusk 7<sup>20</sup> much later than we had  
expected; warm and breezy. 85°. As  
a result of this accident (carelessness  
in not covering the boxes with damp  
cloths) we had to drive fast all evening.  
Don't think it made much difference  
in our inexplicably poor catch. It  
was an ideal night, no moon, no  
wind — but a little cold toward the last.  
(Continued on Feb 27)

SATURDAY, FEBRUARY 25, 1939

56th  
Day

309 Days  
to come

Shaw and Bloomfield worked today; Shaw counting rattlers and helping me with fang measurements.

Bob Hoard called today; talked over his Chilomeniscus problem.

Saw US Grant IV at the Museum.

Called at the Museum and Zoo for mail etc. Gave Cy a copy of the fang paper for his criticism.

Worked the rest of the day on the fang paper. Made good progress on cleaning up odds and ends in the day, but not in the evening as got tangled up with the microscope which wasn't working well.

SUNDAY, FEBRUARY 26, 1939

57th  
Day

1st Sunday in Lent

308 Days  
to come

Shaw worked part of the day;  
Bloomfield all day.

Worked off and on all day on the  
fangs. Finished now except for the  
usual retouching. One or two more <sup>fangs.</sup> ~~rattles~~  
to measure for Table 30.

From Deuel's diary

3. U. s. hesperis under flat rocks. Warm  
and well fed.

MONDAY, FEBRUARY 27, 1939

58th  
Day

307 Days  
to come

Began preparing the papers for mailing today.

Deisel called tonight for his copies.

Did some polishing on the fancy paper tonight.

---

(June 11 Cont from Feb 24)

1 H.T. DOR 10 mi. S.W. of Trona

1 Boyles King M COR 18 mi N. of Red Mountain  
(In S.B. Co.)  $75^{\circ}$ ,  $76^{\circ}$ ; near top of hills. Brush.  
Not so cold in the flats below.

1 Magister DOR 17 mi. N. of Red Mountain

1 Longnose M DOR 13 " " " " (saved)

Passed Red Mountain at  $84^{\circ}$ ;  $72^{\circ}$ . Very much disappointed in lack of specimens so far. The conditions appeared good.

1 Prutulus S DOR 11 mi. S. of Atolia.  $68^{\circ}$   $90^{\circ}$ .

Platyrrhinus DOR 10 and 3 mi. N of Kramer Jct.

1 Gopher S COR 2 mi. N. of Kramer Jct.  $68^{\circ}$ ,  $92^{\circ}$

Reached Kramer Junction at  $9^{\circ}$ ,  $68^{\circ}$ , no breeze. A good night but few specimens. However the DORs showed they had been out earlier in the evening south of this point. Why not north? While we drove fairly fast to Miller's Corner (and very fast beyond) we certainly didn't miss any specimens on the road.

1 Boyles K S COR Kramer Hills  $68^{\circ}$   $93^{\circ}$

(Continued on Feb. 28)

Philharmonic tonight.

The foreign copies of the collecting

papers were mailed today.

(June 11, cont from Feb. 27)

2 Sidewinders M DOR Kramer Hills;  
brushy desert. Saved one.

1 Arizona M DOR 8 mi. S. of Kramer Jct. (saved)

1 Leafnose L COR 16 " " " " "  $10^{\circ 3}$ ,  $68^{\circ}$

1 Gopher L DOR 18 " " " " " (saved)

1 Leafnose S DOR 18 " " " " " "

1 Platy S " 18 " " " " " "

1 Leafnose S " 7 mi. N. of Adelanto

1 Sidewinder M DOR 6 " " " " "

1 Sonora L DOR 6 " " " " (saved)

1 " L " 1 " " " " " "

Reached Adelanto at  $10^{\circ 35}$ ,  $61^{\circ}$

1 Arizona M DOR 3 mi S. of Adelanto (saved)

1 " L " 3 " " " " " "

1 Boyles K M " 9 " " " " "

1 " " S " 10 " " " " (saved)

1 Arizona S COR 12 " " " " "  $11^{\circ 3}$ ,  $60^{\circ}$

Reached the junction of highways 66 and 395  
at  $11^{\circ 7}$ ,  $60^{\circ}$ . Drove fast to San Bernardino  
from here. Wouldn't have seen a snake  
if there had been one. Hylas were  
heard at Cajon Station. Arrived at  
San Bernardino at  $11^{\circ 45}$  and pickled  
(Continued on March 1)

WEDNESDAY, MARCH 1, 1939

60th  
Day

Ember Day

305 Days  
to come

The domestic copies of the collecting paper were mailed today.

Worked on Income Tax this evening.

✓ Monroe Wertheimer died today.

(June 11 Continued from Feb. 28)  
specimens until 12<sup>45</sup>. There was much to do because of the debacle at Trona.

Total miles today 338. Miles night drive (not including fast driving from Miller's Corner to San Bernardino)

101 miles, 3 hrs. 47 minutes.

A very disappointing evening particularly the first part from Trona to Atolia. I had hoped to get some good stuff in this territory particularly rock inhabiting forms in the Lava Mountains. Later in the better known section between Atolia and Miller's Corner the DORs showed that snakes had been out earlier in the evening in good numbers, but when we got to this section it was already too late and too cold.

Allan Keller reports a leafhopper taken at Trona. — found this note from Gander when we got back.



THURSDAY, MARCH 2, 1939

61st  
Day

Texas Independence Day

304 Days  
to come

Gathered some data on king snake broods tonight.

(June 17 Continued)

We ate supper at Scissors Crossing it was cold and breezy. Jim Deuel found a worm snake under a board.

Billy and I started ahead, beginning our evening drive at 7 P.M. It was cold and windy, temp 58°. Dusk.

- 1 Uta *graciosa* COR 7<sup>28</sup> 63° 4 mi. W. of The Narrows.  
1 Gecko COR 4 mi. W. of The Narrows 7<sup>29</sup>, 63°  
1 " " " 7<sup>32</sup>, 63°  
1 " " " 7<sup>35</sup>, 63°  
1 Worms " 1 mi. E. of The Narrows 7<sup>52</sup>, 66°

(drove through the Narrows twice)

- 1 Coleonyx COR The Narrows 7<sup>57</sup>, 66°  
1 Sonora S COR " 8<sup>15</sup>, 65°  
1 Leafnose S " 3 mi. E. of The Narrows 8<sup>24</sup>, 67°

(Benzons at 8<sup>45</sup>, 70°, breezy)

- 1 Gecko COR 8<sup>49</sup> 2 mi. W. of Benzons, 70°  
1 Gecko SOR 8<sup>30</sup>  
1 Gecko COR 2 mi. W. of Benzons 8<sup>54</sup>, 70°  
1 " " 3 " " " 8<sup>56</sup>, 69°  
1 " " 6 " " " 9<sup>10</sup>, 67°  
1 " " 7 " " " 9<sup>14</sup>, 66°  
1 " " 2 " E " The Narrows 9<sup>18</sup>, 64°  
1 Arizona M COR 1 mi. E. of The Narrows 9<sup>22</sup>, 64°

(Continued on March 3)

FRIDAY, MARCH 3, 1939

62nd  
Day

Ember Day

303 Days  
to come

Went to a lecture on Palestine tonight.

(June 17 Continued from March 2)

Reached the Narrows at 9<sup>25</sup>, breezy 64°.

1 Gecko COR 2 mi. W. of The Narrows 9<sup>29</sup>, 62°

1 Spotted Night M COR Sentenac Canyon 9<sup>48</sup>, 62°

Reached Scissors Crossing at 10 o'clock,  
55° windy and cold. No moon tonight.

Reached home at midnight. Pretty tired

Miles our drive 186

Miles in daylight in SD Co 70

Miles evening desert drive 47,  
elapsed time 3 hours. A poor evening  
because of the cold weather.

— " — " — " —

Jim and Chas results were as follows.

Left Scissors Crossing at 7<sup>05</sup>

1 Worm snake COR 1 mi. W. of Sentenac Bridge 7<sup>24</sup>, 74°

1 " " COR 1 1/2 " " " " 7<sup>29</sup>, 68°

(did this section twice)

1 Gecko COR Yaqui Well 8<sup>05</sup>, 75°

1 " " " " 8<sup>06</sup>, 75°

1 " " 1 mi E. of Yaqui Well 8<sup>11</sup>, 76°

1 Boules King DOR M 2 mi. E. of The Narrows.

1 Sonora COR 3 mi. E. of The Narrows. 8<sup>31</sup>, 78°

1 Gecko COR 4 " " " " 8<sup>41</sup>, 78°

1 " AOR 3 " W " Benson 8<sup>49</sup>, 80°

(Continued on March 4)

SATURDAY, MARCH 4, 1939

63rd  
Day

Ember Day

302 Days  
to come

First went over to the Zoo and conferred with Perkins on his final suggestions for changes in the fang papers. Then turned the manuscript over to Abkitt at the Museum.

Jim Deuel worked part of today on the Carnegie worm snakes.

I worked all day (but not evening - had company) on the King snake broods. Begins to look interesting. Should make a good short paper.

---

(June 17 Continued from March 3<sup>d</sup>)

- 1 Gecko COR 3 mi. W. of Benson 8<sup>49</sup>, 80°
- 1 " COR 4 " " " 9<sup>26</sup>, 78°
- 1 " COR 1 " E " The Narrows 9<sup>38</sup>, 75°
- 1 " COR 2 " E " Yaqui W 9<sup>52</sup>, 72°
- 1 Hesperox COR Yaqui Well, 10° - 73°

Reached Scissors Crossing at 10<sup>20</sup>

- 1 Arizona COR 2 mi. W. of Scissors Crossing 10<sup>25</sup>, 74°.

Total miles evening drive 74, elapsed time 3 hr. 20 minutes.

SUNDAY, MARCH 5, 1939

64th  
Day

2nd Sunday in Lent

301 Days  
to come

Deuel, Shaw, and Bloomfield worked all day. Deuel finished the Carnegie worm snakes. Shaw got Jango for me and took out all the SD Co King snakes so I could get data from them. Bloomfield counted King snake scales.

I worked all day on the King snake pattern dimorphism paper and made fairly good progress. These papers always go faster in the first stages than later.

MONDAY, MARCH 6, 1939

65th  
Day

300 Days  
to come

Talked fang figures with Bilderbach  
this noon. Movie tonight.

(June 23<sup>d</sup> Continued)

and on to Cathedral City waiting for it  
to get dark. 96° at 7<sup>20</sup> at Cathedral City.

We now turned back and went up  
the Palms to Pines highway to a point  
1 mi. W. of Ribbonwood. Here we turned back  
to the desert.

At the Junction westbound 74<sup>1</sup> 96°

Got a punctatus where the road crosses  
Indian Creek 74<sup>1</sup> 95°

1 Leopard fished DOR at Nightingales.

Reached the branch road to Santa Rosa  
Spring where we turned back at 8<sup>35</sup>

Cool and breezy. Alt 4560, 77°

Junction with Palm Springs - Indio highway  
at 9<sup>20</sup> 90°,  $\frac{1}{2}$  moon. We drove slow enough  
on the grade so that we didn't miss anything.  
The wormsnakes simply weren't out.

1 Sidewinder S DOR Palm Springs

Also probably lost a live snake here.

Couldnt be sure.

1 Sidewinder S. COR Palm Springs 95<sup>1</sup>, 89°

1 " S DOR 5 mi. NW of Palm Springs

1 Longnose S. COR Palm Springs RR Sta.

10<sup>01</sup>, 82°. The wind was so strong

(Continued on March 7)

TUESDAY, MARCH 7, 1939

66th  
Day

299 Days  
to come

Went to Los Angeles on business today with Holloway, Diller and Meise. Started at 8<sup>00</sup><sup>50</sup>? arrived at 11<sup>00</sup>. A cool morning. Nothing seen.

Returned 3<sup>30</sup> to 6<sup>30</sup>. Light to Del Mar. Nothing seen. Worked at the office in the evening.

---

(June 23<sup>d</sup> Cont. from March 6)  
it blew this snake off the road.  
1 Boyles King L DOR Finigal, Riv. Co  
& Arizona's L DOR Calvazon.  
Reached Banning at 10<sup>40</sup>. Put up  
at El Don Auto Camp. Good rooms.  
Windy 66°.

Another poor night in spite of  
good weather. The season is certainly  
over.

Miles today <sup>294</sup>~~418~~. Evening drive  
85. 3 hr, 35 minutes.

WEDNESDAY, MARCH 8, 1939

67th  
Day

298 Days  
to come

Out to dinner tonight.

---

July 13 Continued

- 1 P. browni. COR 4 mi. S. of Sabnis Canyon  $10^{\circ 50'}$ ,  $92^{\circ}$
- 1 Gecko COR Wrightstown  $11^{\circ 2'}$ ,  $91^{\circ}$
- 1 P. browni. COR Escuela  $11^{\circ 57'}$ ,  $90^{\circ}$

Returned to Tucson at 1 A.M.  $89^{\circ}$

Total miles today 213; evening drive 74 mi.;  
elapsed time 4 hr. 45 min.

THURSDAY, MARCH 9, 1939

68th  
Day

297 Days  
to come

Checked up with Mrs. Leehie and Bilderbach this noon.

Spent the evening preparing standard forms for calculating  $\chi^2$  in  $2 \times 2$  and  $R \times 2$  tables. Will have these mimeographed for a try out.

(July 15 Continued)

Then went back to the Oracle Junct. road.

Spunklings

1 P. browni DOR 6 mi. N. of Tucson.

1 Coral Snake DOR 10 mi. N. of Tucson.

1 P. browni. DOR " " " " "

1 Bufo cognatus Oracle Junct 12<sup>30</sup> 84°

1 P. browni. DOR 8 mi. S. of Oracle Junct  
(but in Pima Co)

1 P. browni DOR Wrightstown Road wet in spots

1 " " 3 mi. S. of Salvo

Reached Tucson at 2<sup>45</sup> AM. 84°

Miles today 317; night drive 150;  
7 hr, 30 min. Wind rain and lightning  
tonight.



FRIDAY, MARCH 10, 1939

69th  
Day

296 Days  
to come

Pertin's called today for supplies to take along on his trip to South America. Gave him 2 single shot Winchester 500 shells, ram rod, tags, 1 doz 2 qt Jars.

These evening worked until late on the King snake paper and made good headway especially rearranging for continuity and coordination.

SATURDAY, MARCH 11, 1939

70th  
Day

295 Days  
to come

Worked all day and late into the evening on the King snakes. Got the NH Museum specimens and then went over all of them selecting and reclassifying the cakerants. Rewrote that part of the paper covering pattern and sex.

SUNDAY, MARCH 12, 1939

71st  
Day

3rd Sunday in Lent

294 Days  
to come

Spent much of the day and evening on the King's notes; the discovery that another mother was absent caused much recalculation and slowed up the work.

MONDAY, MARCH 13, 1939

72nd  
Day

293 Days  
to come

Went to a meeting of the Fellows  
in La Jolla tonight.

TUESDAY, MARCH 14, 1939

73rd  
Day

292 Days  
to come

Went to El Cajon Kotany today. Clear  
and cool. 35 miles. Nothing seen.  
Company tonight.

WEDNESDAY, MARCH 15, 1939

74th  
Day

291 Days  
to come

Checked up with Mrs. Leslie and  
Bilderbach today.

✓ Gave a talk on inventions to alumni  
of Cal Tech tonight.

Localities from Danforth, 17 mi. S. of  
Sciota Humboldt Co (= Deyerville)  
Contia tenuis.

Boyle's King Hartbrook, P.O. =  
Richardson Grove, Humboldt Co

THURSDAY, MARCH 16, 1939

75th  
Day

290 Days  
to come

Spent the evening working on statistical forms.

From Devel's diary  
at Old Town.

1 *T.o. hammondi* caught under  
card board

*Rana catesbeiana* here.

also *T.o. hammondi* at Little Murray

Blue tailed skink here.

*L.g. californiae* pure striped  
phase (caught)

*C.c. mormon* (caught)

FRIDAY, MARCH 17, 1939

76th  
Day

St. Patrick's Day

289 Days  
to come

Company tonight. Saw Mrs. Leslie  
at noon.

From Deuel's diary

S.M. lateralis Bulzuna.

Salamanders in Alvarado canyon  
have gone. Only 1 found where  
they were plentiful a few weeks ago.



SATURDAY, MARCH 18, 1939

77th  
Day

288 Days  
to come

Bob Hoard called in the morning. Discussed his Chilomeniscus problem for an hour and made some suggestions for tabulating data.

Deuel, Shaw and Bloomfield worked today. D. got fangs for me - then worked on worm snakes. S. and B. finished up the Kingsnake broods. Worked until after 6. Went to the Museum and Zoo in the morning for mail and specimens. Worked all day and left late into the night on the King snakes.

SUNDAY, MARCH 19, 1939

78th  
Day

4th Sunday in Lent (Mid-Lent)

287 Days  
to come

All three boys worked today -  
Revel mostly on worm snakes; Shaw  
and Bloomfield on Kings.

I worked on Kings checking up  
odds and ends. Now should be wound  
up quickly.

Out to dinner tonight.

MONDAY, MARCH 20, 1939

79th  
Day

286 Days  
to come

Reptile Club meeting tonight. Dr. Conti  
talked on the diseases of reptiles.

Locusts

~~Turtle~~ Table Mt., Lower Calif.

Calif. Boa

Speckled Rattler.

TUESDAY, MARCH 21, 1939

80th  
Day

*1st Day of Spring*

285 Days  
to come

Went to a movie tonight.

WEDNESDAY, MARCH 22, 1939

81st  
Day

284 Days  
to come

Left for San Francisco on the late  
afternoon train.

THURSDAY, MARCH 23, 1939

82nd  
Day

283 Days  
to come

In San Francisco. Business all day;  
went to Fair in the evening.

FRIDAY, MARCH 24, 1939

83rd  
Day

282 Days  
to come

In San Francisco. Business all day;  
went to fair in the evening.

SATURDAY, MARCH 25, 1939

84th  
Day

*Annunciation (Maryland Day)*

281 Days  
to come

Went to the Fair in the morning.  
To a movie with Phil in the evening.



SUNDAY, MARCH 26, 1939

85th  
Day

5th Sunday in Lent (Passion Sunday)

280 Days  
to come

Went to the Fair. at Woomers for  
dinner. Called Alvin in the morning.  
Took the Sunset for home in the evening.

MONDAY, MARCH 27, 1939

86th  
Day

279 Days  
to come

Arrived home at noon. Catching  
up in the evening.

*Anniella pulchra* reported from  
Santa Barbara by Walds Abbott.

Benedict gave me a Platyrrhinus  
from Yuha Well, Imp. Co.

TUESDAY, MARCH 28, 1939

87th  
Day

278 Days  
to come

Went to El Cajon Rotary today. 35 miles  
nothing seen - cold day after a rain.

Worked on King snake calculations  
tonight.

WEDNESDAY, MARCH 29, 1939

88th  
Day

277 Days  
to come

Out to dinner tonight. Got a  
little work ready for Mrs. Leslie.

THURSDAY, MARCH 30, 1939

89th  
Day

276 Days  
to come

Went to Zoo and Nat. Hist. this noon.  
Went over the fang paper with Abbott and  
got his corrections.

Spent the evening on miscellaneous  
filing.

Jim Deuel reports a *Hypsiglena*  
*ochrocephalus* had eaten a *Batrachoseps*  
also a gopher coming out of a gopher  
hole at 9<sup>30</sup> AM. Had a gopher in stomach.

FRIDAY, MARCH 31, 1939

90th  
Day

275 Days  
to come

Short circuit at Sta. B today  
at noon. at the plant until 2:45 AM.

A L Haine's, Topanga and  
G O Hale, 5064 College View Ave, LA  
returned from Cedros on the Scripps.  
Got some good stuff.

Deuel reports 2 young trimorphodons  
which he gave to me each contained  
U. s. hesperis.

SATURDAY, APRIL 1, 1939

91st  
Day

274 Days  
to come

at Station B. all day. Tired out  
tonight.

Renel worked today.

SUNDAY, APRIL 2, 1939

92nd  
Day

6th Sunday in Lent—Palm Sunday

273 Days  
to come

Worked nearly all day on the report of the accident. Did a little work on King's snakes in the evening so as to have work for Mrs. Heslie and Bildenbach.



MONDAY, APRIL 3, 1939

93rd  
Day

*Monday in Holy Week*

272 Days  
to come

Jim Deuel worked today.  
Tried out tonight - little done.

TUESDAY, APRIL 4, 1939

94th  
Day

*Tuesday in Holy Week*

271 Days  
to come

Jim Deuel worked today.

Did a little work tonight — too  
tired to do much.

WEDNESDAY, APRIL 5, 1939

95th  
Day

*Wednesday in Holy Week*

270 Days  
to come

Jim Deuel worked today.  
Worked on a company report tonight.

THURSDAY, APRIL 6, 1939

96th  
Day

Maundy Thursday—U. S. Entered World War 1917

269 Days  
to come

Jim Devel worked today. Is making fine headway on rattlers.

Did some work on correlations tonight.

Very hot with east wind today. First really hot day in a long time.

Was told today that a Pacific Rattlesnake was found hibernating in La Jolla in January under a 3 or 4 inches cover of leaves.

FRIDAY, APRIL 7, 1939

97th  
Day

Good Friday

268 Days  
to come

Called at the zoo this noon.  
Shaw is back from Arizona. Had  
only fair luck.

Worked on state income tax tonight.

SATURDAY, APRIL 8, 1939

98th  
Day

Easter Even

267 Days  
to come

Denel, Shaw, and Bloomfield worked all day, counting specimens and clearing up the basement. Everything put away. Many bottles labeled. Only a few of the 1938 accumulation remain to be counted.

Worked all day on miscellaneous items. Recording, filing etc. Made good headway.

Small Pacific killed today by David Gander at Hamilton School

SUNDAY, APRIL 9, 1939

99th  
Day

Easter Day

266 Days  
to come

Devel, Shaw, and Bloomfield worked today. Counting scales in the morning; then at Nat. Hist. Mus. in the afternoon putting specimens away.

I did a little work on the King snakes; spent most of the day on miscellaneous catching up.

MONDAY, APRIL 10, 1939

100th  
Day

Monday in Easter Week

265 Days  
to come

Went to Los Angeles this morning on business with gg. Left at 7<sup>05</sup>; arrived at 9<sup>40</sup>. Warm and somewhat overcast. Traveling too fast to stop; several possibilities were seen.

At the L.A. museum from 2 to 4. Looked at a few specimens. They had no L.A. Co Kings with good stripes. Only one much like those from Laguna Beach. Heard about March's death from the bite of a B. atrox.

Returned 4-7 P.M. Worked at the office until 9<sup>45</sup>.

Some records from the L.A. museum Collection

L. g. californial (ringed) Fraser Mt. Natl. Park <sup>Calif</sup>

" Glendale

" Hompoc.

P. deserticola, Essex, Calif, S.B. Co



TUESDAY, APRIL 11, 1939

101st  
Day

*Tuesday in Easter Week*

264 Days  
to come

Imi Deuel worked this afternoon.

Adrian van der Horst and his  
wife called this afternoon.

Concert tonight.

WEDNESDAY, APRIL 12, 1939

102nd  
Day

263 Days  
to come

Worked on forms for a short time tonight.

Looked at lines in Mission Valley. 10 miles nothing seen. except 1 alligator lizard.

THURSDAY, APRIL 13, 1939

103rd  
Day

*Thomas Jefferson—Born 1743*

262 Days  
to come

Did a little miscellaneous work  
tonight.

FRIDAY, APRIL 14, 1939

104th  
Day

*Lincoln Assassinated 1865*

261 Days  
to come

Company tonight.  
Went to zoo at noon.

SATURDAY, APRIL 15, 1939

105th  
Day

260 Days  
to come

Went to the zoo and natural history museum in the morning. Things at the museum are getting well straightened out.

Shaw and Bloomfield worked today.

Practically finished the paper on King snake broods. Also wrote a note on Anniella negra based on two specimens from Pismo Beach.

SUNDAY, APRIL 16, 1939

106th  
Day

1st Sunday after Easter (Low Sunday)

259 Days  
to come

Shaw and Bloomfield worked today. They caught up with all scale counts on 1938 snakes that are usually counted including all rattlers. Ready now for the 1939 season.

A little miscellaneous work today; worked on a revision of the Correlation Calculation Sheet.

At 10<sup>45</sup> went to Corte Madera; returned at 7<sup>00</sup> P.M. a clear warm day. 99 miles.

One gopher L D & R Viejas Grass. Prepared work for Mrs. Leslie and Shorty.

MONDAY, APRIL 17, 1939

107th  
Day

258 Days  
to come

Van der Horst talked on Cuban  
and other reptiles at the Reptile Club  
tonight. Very interesting.

TUESDAY, APRIL 18, 1939

108th  
Day

257 Days  
to come

Dinner tonight.



WEDNESDAY, APRIL 19, 1939

109th  
Day

*Patriots' Day (Mass., Me.)*

256 Days  
to come

Spent the evening on Form 49,  
Difference Calculation Sheet, by  $t$ -test.

THURSDAY, APRIL 20, 1939

110th  
Day

255 Days  
to come

Out to dinner tonight. a little  
work on forms.

FRIDAY, APRIL 21, 1939

111th  
Day

254 Days  
to come

Amphibian tonight  
Worked for a short time on statistical  
forms.

Deserts Desert Trip tonight.  
(note that these records are duplicated  
in the list of his snakes).

- 1 Striped Racer DOR Mussey grade.
  - 1 Phyllorhynchus DOR Yagui Well.
  - 1 L. n. roseofusca S DOR The Narrows.
  - 1 Coleonyx 2 mi. W of the Narrows. 9<sup>45</sup> P.M.
  - 1 Phyllorhynchus COR 78° 9<sup>52</sup> The Narrows.
  - 1 Cerastes DOR The Narrows.
  - 1 Sonora COR 10<sup>08</sup> 83° The Narrows.
  - 1 Phyllorhynchus COR 5 mi. E. of Narrows 10<sup>25</sup> 83°
  - 1 " " " 10<sup>30</sup> 83°
  - 1 Gecko COR The Narrows 10<sup>32</sup> 83°
  - 1 Hypsiglena COR The Narrows 10<sup>36</sup> 83°
- Count 32 desert miles 9 to ~~11~~ 12<sup>45</sup> P.M.

SATURDAY, APRIL 22, 1939

112th  
Day

253 Days  
to come

This morning went out to Palomar Observatory with Gg, aunt Emma, Marian and Revere. Started at 10<sup>40</sup>; returned at 5<sup>15</sup>. a cool day; overcast along the coast. Part cloudy in the back country. Went out via Del Mar, Santa Fe Ranch, Escondido, Rincon, Palomar, East Grade, Lake Hemshaw, Santa Isabel and home via the highway. 155 miles. Legions were out in force, especially skellies.

1 Gopher J. DOR Rose Canyon, Grass

1 " L " " " "

2 " M " Rancho Santa Fe "

1 " L " " " " "

1 H.T. caught and turned loose,  
Valley Center.

1 Striped Racer M LOR near the top  
of the Palomar grade. He climbed a  
steep bank by threading his way  
through roots and branches.

2 Pacific Rattles J East End of Palomar.  
Grass-trees; saved one.

1 Gopher J DOR Ramona Grass Saved.

1 Striped Racer L DOR Mussey, Grass.

Chas Shaw worked today.

Worked on statistical forms tonight.

SUNDAY, APRIL 23, 1939

113th  
Day

2nd Sunday after Easter

252 Days  
to come

Bloomfield worked somewhat over 4 hours on scale counts today.

Spent the morning on statistical forms and miscellaneous checking of specimens. Company for lunch.

Had a medium boa bitten by a rattler (I presume). His head and neck swelled up greatly. Still alive 7-8-39

Shaw and Bloomfield caught 20 *Anniella*s on Coronado strand by hard digging. Particularly good to dig under Verbena bushes.

Reptile Club trip today  
All snakes from Black Canyon, Otay Ranch  
& Striped Racers

4 Red Rattlers

1 Worm Snake

1 Garter Snake

1 Red Rattler DOR M Otay Ranch Cult. fields

1 " " M Telegraph Canyon Brush

1 Gopher S DOR " " "

MONDAY, APRIL 24, 1939

114th  
Day

251 Days  
to come

Bay Cowles writes of a *T. vanderburghi*  
♀ ♂ Berdo Canyon Camp, April 9, 9 P.M.  $4\frac{1}{2}$ ".  
Another smaller same spot one week later.  
Heads close to the ground while crossing  
the road.  
Movie tonight.

TUESDAY, APRIL 25, 1939

115th  
Day

St. Mark

250 Days  
to come

Worked on the test for linearity tonight,  
preparing a form.

Deuel worked in the field today -  
said it had been oiled by Mann.

Checked up with Bilderbach this noon.

WEDNESDAY, APRIL 26, 1939

116th  
Day

*Solemnity of St. Joseph*

249 Days  
to come

Went to Wuthering Heights tonight.  
Calculating forms.



THURSDAY, APRIL 27, 1939

117th  
Day

U. S. Grant—Born 1822

248 Days  
to come

Received specimens from Crummins  
tonight.

Worked on correlation forms tonight.

FRIDAY, APRIL 28, 1939

118th  
Day

247 Days  
to come

Van der Horst called on the  
phone today re reptile photos.

Worked on forms for a while tonight.

SATURDAY, APRIL 29, 1939

119th  
Day

246 Days  
to come

Worked hard all day and evening and got most of the miscellaneous accumulations cleared up. Drew up two forms, and revised another. Too many odds and ends to do any writing.

Jim. Reuel and Chas. Shaw worked all day pickling many specimens. Jim counted worm snakes.

SUNDAY, APRIL 30, 1939

120th  
Day

3rd Sunday after Easter  
Daylight Saving Time Begins

245 Days  
to come

More cleanup work today and again made headway in the morning at least. Too tired in the afternoon.

Tim and Chas each worked about half a day.

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Sprague - Deuel - Shaw Trip.

C. cerastes	COR	3 mi. W. of Bensons	9 <sup>05</sup> PM.
S. occipitalis	"	"	9 <sup>05</sup> "
P. d. perkinsi	"	"	9 <sup>05</sup> " (windy)
C. cerastes	"	7 " " " "	10 <sup>12</sup> p.m.
"	"	7 " E " Sentenac	10 <sup>40</sup>

T. rusei Sentenac Canyon. Under a rock

A. r. occidentalis 2 mi. W. of Sentenac DOR

(Already entered in County census)

MONDAY, MAY 1, 1939

121st  
Day

May Day  
St. Philip and St. James

244 Days  
to come

Today a cool and somewhat overcast day, went out to the Ramona Rotary club for lunch, thence to Dehesa and Tamacha to check up on some lines. Went out via Fletcher Hills, back by way of Lakeside, Lakeview, Bostonia, Dehesa, Tamacha, El Cajo, Broadway extension. Started at 10<sup>45</sup>; returned at 2<sup>30</sup>. Miles 96.

1	Lateralis	M	La Mesa	Brush.
1	"	S	Ramona	Grass
1	Whiptail		DOR	Mussey
1	Alligator	"	"	"
1	huk snake		escaped	Tamacha

probably a racer (Lateralis)

Tonight worked sorting papers and records.

TUESDAY, MAY 2, 1939

122nd  
Day

243 Days  
to come

Too tired tonight to do much.  
Worked a little on Rhinocheilus.

WEDNESDAY, MAY 3, 1939

123rd  
Day

242 Days  
to come

Accounts tonight.

THURSDAY, MAY 4, 1939

124th  
Day

241 Days  
to come

Spent much of the evening getting ready for the trip tomorrow.  
Jag and Shorty left for S.F. this morning.

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(May 5 Continued)

Stopping quickly enough.

1 longnose L DOR Winterhaven (Saved)

Put up at Peach Auto Court, Yuma at 7<sup>30</sup>. Warm and windy. Temp 75° (all temps corrected).

Started out on the evening drive. It was fairly warm, part cloudy, and very windy. Drove down to San Luis. Nothing seen. Bufo woodhousii heard here. Had a puncture on the return trip between Gadsden and Somerton. a long hard job to repair.

1 Cinereus S. DOR Somerton Fields

1 gopher M. " " " (Saved head)

1 " S " " " (Saved)

This gopher contained a full grown whiptail eaten head first. Temp. here 67°.

Moon up about 9 P.M. partly obscured by clouds.

Returned to auto court at 10<sup>30</sup>, 66° still quite windy miles in S.D. Co. 81 miles evening drive in Ariz. 49 miles evening desert drive in Calif. 20. Grand total miles. 226.



FRIDAY, MAY 5, 1939

125th  
Day

240 Days  
to come

Today Weiss and I started for Yuma at 2<sup>30</sup>. It was cool, over cast, and windy.

- 1 Gopher S. DOR El Cajon Grass-Creek (saved)
- 1 Longnose S " Flinn Spr. Brush.
- 1 Banded Racer L DOR Guatay "
- 1 " " L DOR Buckmans "
- 1 Gopher S. DOR Live Oak Springs Grass-Frees
- 1 " L. " Boulevard Fields
- 1 " S " " Brush

County line at 4<sup>30</sup>. Cold and windy.

- 1 Red Racer M DOR Seeley Dry fields
- 1 Desert Gopher S " " Fields
- 1 " " S " El Centro "
- 1 Gopher L " Meloland "
- 1 " S " " Fields (saved)

Holtville at 5<sup>40</sup>. Warm and windy.

beginning a severe sandstorm which lasted almost to Yuma. Worst I ever saw it both through the sandhills and before and after.

- 1 Gopher S. DOR Date City Fields (saved)
- 1 " M " " " Dry " (saved head)
- 1 " VL " Winterhaven Fields (saved head)
- 1 " L " " " "

Lost a lubr snake here, crossing the road at 7 P.M. A bus coming along prevented our  
(Continued on May 6)

SATURDAY, MAY 6, 1939

126th  
Day

239 Days  
to come

This morning we left <sup>Yuma</sup> Holtville at 8<sup>50</sup>. It was cool sunny and breezy. Some clouds to the south east. We first drove to Aray looking for the road to Imperial dam which we missed; then back to Winterhaven where we found the branch  $\frac{3}{4}$  of a mile east toward Yuma. Then went up to the dam where we spent considerable time driving and looking around.

1 Gopher S DOR Winterhaven Mesquite  
1 " S " " Cultivated fields  
(Saved)

1 " M " Winterhaven Cult. fields

1 Yuma King S. DOR Bard " "  
(Very dark. narrow dark bands)

1 B. woodhousii DOR Bard

1 Gopher M DOR Bard Cult. fields

Left the dam southbound at 10<sup>30</sup> AM

Hunted for a few moments on the edge of the sand hills 14 mi W. of Winterhaven.

Got 2 *Uta* *graciosa* and 1 *Uma* *notata*.

The *Uta*s were on horizontal limbs of mesquite, on the tops of branches with heads facing inward. There were 4 in one small mesquite.

1 Gopher M DOR Alamo Fields (Saved head)  
(Continued on Jan 2.)

SUNDAY, MAY 7, 1939

127th  
Day

4th Sunday after Easter

238 Days  
to come

Today Weiss and I drove home from Indio. Started at 9:05; it was warm and quiet. Arrived at 1:35; clear, cool and breezy. Went via Palms to Pine's Highway, Anza, Calhulla, Auguanga, Oak Grove, Warner's Hot Springs, Santa Ysabel, Ramona, El Cajon and La Mesa.

1 Sidewinder S. Jct. P to P with Palm Spr. Highway. <sup>Sandy</sup> desert.  
1 Hornose M do do do

Collected a leopard lizard and a small dip 2 mi. up the highway from this junction. Utae and collies were also seen here. For a short distance many lizards were seen on the rocks.

Whiptail found injured on highway saved. 5 mi. W of Junction.

Whiptail seen 7 mi. from junction.

Chucks seen 8 and 12 mi. from the junction.

First skelly seen 11 miles from the junction.

They were very common from here on.

Nightingales in 15 mi from the junction and Ribbonwood 18 miles. The turn off to Anza is 25 miles.

1 H.T. DOR at Ribbonwood.

Skellies at Anza.

1 Hornose M DOR Auguanga Brush.

1 Red Racer L DOR Oak Grove Brush

(Continued on Jan 5<sup>th</sup>)

MONDAY, MAY 8, 1939

128th  
Day

237 Days  
to come

Went to a lecture on perfumes tonight.  
at a meeting of the fellows.

TUESDAY, MAY 9, 1939

129th  
Day

236 Days  
to come

Some miscellaneous work tonight.

WEDNESDAY, MAY 10, 1939

130th  
Day

Confederate Memorial Day (N. C., S. C.)

235 Days  
to come

✓ Talked on snakes to the combined  
science clubs of State College tonight.  
Usual generalized talk with slides.  
Home at 10.

Went to the zoo at noon.

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Chas. Shaw's trip of May 12 continued  
from May 11

1 S. o. capitalis	The Narrows	DOR.
1 P. d. perkinsi	Yagui Well	"
1 "	Sentenac Canyon	"
1 R. lecontei	" "	"

Total miles desert travel 48  
Elapsed time 6 hrs ±

This trip already entered in County census..

THURSDAY, MAY 11, 1939

131st  
Day

234 Days  
to come

Spent the evening getting ready  
for the trip tomorrow.

Chas Shaw's trip of 5-12-39 No moon  
1 L.h. caluila 3 mi. W. of Sentenac Br. 7<sup>15</sup> 75°

Wind fairly strong

1 L.h. caluila 1½ mi W. of Sentenac Br. 7<sup>29</sup> 70°

1 " 14 " " " " 7<sup>35</sup> 70°

1 H. ochrochynchus 1 mi. W. " " " DOR.

1 A. e. occidentalis 2" E " " " 8<sup>02</sup>

1 R. lecontei 1" E " Yaqui Well 8<sup>15</sup> 73°

1 S. occipitalis 2" E " " " 8<sup>21</sup> "

1 " 2" " " " " 8<sup>23</sup> "

1 " 3 " " " " " DOR.

1 P. d. perkinsi 3 " " " " " 8<sup>33</sup> 73°

1 " 2 " W " The Narrows 8<sup>35</sup> 75°

1 " 1 " " " " " 8<sup>44</sup> 73°

1 S. occipitalis 4 " " " " " 8<sup>48</sup> 73°

at The Narrows at 8<sup>55</sup> 74° Strong West Wind.

1 S. occipitalis 3 mi. E. of The Narrows 9<sup>10</sup> 76°

1 A. e. occidentalis 3 " W " Dry Lake 9<sup>31</sup> 77°

1 P. d. perkinsi 2 " " " " 9<sup>35</sup> 78°

1 R. lecontei ½ " W " " DOR

at Dry Lake 10<sup>10</sup> 82°

1 P. d. perkinsi ½ mi. E. of Benson's D.L. 10<sup>12</sup> 82°

1 S. occipitalis 2½ " " " " 10<sup>23</sup> 80°

S.D. Co Line 10<sup>28</sup> 80°

1 P. d. perkinsi Benson's 11<sup>59</sup> 78°

Continued on May 10.

FRIDAY, MAY 12, 1939

132nd  
Day

233 Days  
to come

Went to the zoo and natural history museum this noon to clear up last details and get the mail. Perkins is expected back tomorrow.

at 4<sup>15</sup> started on a trip - objective Bakersfield with Frank Gander. Went out via Lakeside, Ramona, Julian, Sentenas, Dry Lake, Kane Springs, thence north on 99 to Indio. Then around the aqueduct road and up several of the side canyons. Finally ended up at Banning for the night. It was cool and overcast in San Diego and cloudy in the back country. Surprisingly however it was quite good in the desert; quite clear, warm (although not as much as we wished) and almost without wind.

1 Gopher M DOR Chollas Hts grass.  
1 Gopher M DOR Lakeside Grass.  
1 Oreganus S DOR Sutherland Trees - grass  
1 Gopher S DOR " Grass  
1 " S DOR Santa Ysabel "  
1 Alligator Lizard L DOR Anynola Grass-trees.  
Reached Accession Crossing at Sundown. Cool.  
Stopped a few moments to talk to Benson.  
It has been cool recently. He didn't have much.

1 Coleonyx COR 5 mi. E. of Imp. Co. line 7<sup>30</sup>, 7<sup>42</sup>  
1 McCallie DOR do  
1 Coleonyx seen at Kane Spr. (7 mi. NW of)  
(Cont. on Jan. 6<sup>th</sup>)



SATURDAY, MAY 13, 1939

133rd  
Day

232 Days  
to come

This morning we left Banning at 8<sup>10</sup>. It was cool and windy. Also part cloudy. We first went 1 mi. S. of Banning, where the old road starts up the mountain. There is some fine granite here and we found X. henshawi exceedingly plentiful. The hunting was as good as any seen anywhere in S.D.Co. They were under flakes and caprocks, not only on S. side of boulders, but other sides as well. We got a good series in a short time. I dropped my glasses; Gander found them but one of the wings had been stepped on and broken off. Went back to Banning and got some 5's and 10's.

Started eastward from Banning again at 9<sup>20</sup>, reaching 29 Palms junction at 9<sup>42</sup>. It was cool and breezy, and we began to be much worried about the weather. Cloudy to the north about the mountains; clear to the southeast.

1 Arizona L DOR 7 mi. N. of Palms Junction. 1800 ft. Brushy desert. Saved head.  
1 Red Rattles S DOR 8 mi. N. of Palms Jct.

Brushy desert. This 1 mi. S. of Riverside - S. Berdoo Co. line.

Increasingly cool and cloudy here.  
(Continued on Jan. 8<sup>th</sup>)

SUNDAY, MAY 14, 1939

134th  
Day

5th Sunday after Easter—Rogation Sunday  
U. S. Constitution Drawn up 1787—Mothers' Day

231 Days  
to come

Started out from Bakersfield at 9. It was part cloudy and warm.

1 Arizona M DOR 5 mi. N. of Wheeler Ridge  
P.O. Grass.

1 Gopher M. DOR 4 mi. N. of Wheeler Ridge P.O.  
Fields.

Shot a large male C. silus at the same point. He was on the edge of the road.

1 Gopher M DOR 12 mi. E. of Mancosia Grass.

Uta were fairly common along this road. Saw or shot some 11, 10, 7, 6 mi.

E. of Mancosia. Also whiptail 6 mi

E. of Mancosia. Reached Mancosia at

11:45. Had lunch at Taft.

1 Gopher M DOR Midsoil Barren fields

1 Red Racer " " " "

1 Arizona " " " "

1 " " " Fellows " "

1 Whiptail DOR 4 mi. E. of Lost Hills

1 Gopher M DOR " Fields

Uta seen here; also B. b. halophilus DOR

1 Red Racer L DOR 5 mi. N. of Small's Corner

Small brush. Paired. Kangaroo rat in stomach. Small's corner is 6 mi. E. of Lost Hills.

1 Horned toad DOR 7 mi. N. of Small's Corner.

1 Pacific rattler L DOR " " " " Small brush.

(Continued on Jan. 11)

MONDAY, MAY 15, 1939

135th  
Day

Rogation Day

230 Days  
to come

In San Francisco all day on  
business. Expo pageant in the  
evening.

— Gander's Trip —

Left Fresno at 8<sup>40</sup>; overcast.

1 Gopher S. DOR Bowles, Fresno Co, Vineyards.  
Toads B.b.h noted at Bowles and Monmouth.

1 Red Racer L DOR 3 mi. W. of Conejo, Fresno Co  
Fields - grass.

1 Arizona MDOR Same place Pastures. saved.

1 Gopher L DOR " Fields.

1 Pacific Garter L DOR Lemoore, Kings Co.

Field - Irr. Ditch - much red.

1 Gopher L DOR Stratford, Kings Co, Fields.  
Toads DOR here.

1 Pacific Garter L DOR 5 mi. S.W. of Stratford,  
Kings Co, Field - Canal.

1 Pac. Rattlesnake S. DOR 8 mi. SW of Stratford, Kings Co  
Field - canal, saved, Remains of mouse.

1 Gopher L DOR Kettleman City, Kings Co  
Barren flats.

Collected a whiptail at Kettleman Hills  
and utas 4 mi. SW of Kettleman Hills.

Collected a Skelley at Paso Robles.

2 Gophers L COR La Panza, SLO Co, Fields

1 Rattlesnake S " " " " " "

1 Uta DOR 8 mi. E. of Simmler, SLO Co.

(Continued on Jan. 12)

TUESDAY, MAY 16, 1939

136th  
Day

Rogation Day

229 Days  
to come

In San Francisco all day  
on business. Ice Follies in the  
evening.

—(Ganders Trip)—

Left Bakersfield at 7<sup>40</sup>; clear with clouds  
over the Tehachapis.

Hunted 12 mi. E. of Bakersfield and got lizard  
Thru 1 mi. W. of Boundary of Sequoia Nat. For.  
Alligator lizard DOR; Skellie's and utas at  
Democrat Springs, Kern Co.

1 Gopher L DOR De Lonige Hot Springs.

Rocks, trees.

1 Gopher S. DOR Democrat Springs.

1 Gopher M. DOR Bena, Fields

1 Boyles K L DOR Bena, Thin brush.

1 Gopher L " " " "

1 Red Racer S " " " "

Toads " " " "

2 Red Racers L " Ilmon " "

1 Gopher M " " Grass.

1 Rattles M. " " Thin brush on rocky slope

1 " S " " "

3 gophers S " " "

1 " L, 1 M, 1 S " " Grass

1 " S, 1 L " 4 mi. W. of Bealville, Kern Co

Grass, trees.

1 Rattles M DOR 7 mi. E. of Arvin, Rocks, grass

(Continued on Jan. 13)

WEDNESDAY, MAY 17, 1939

137th  
Day

Rogation Day

228 Days  
to come

Left San Francisco at 4 P.M. on the Golden Gate, arriving in Bakersfield at 10<sup>05</sup>. Gander had auto count reservations. Wrote in the diary and turned in. Read until midnight.

—Gander's Trip—

Left Bakersfield at 7<sup>15</sup>; bright and sunny.

Toads DOR Wible, Kern Co

1 Gopher M DOR Wible, Fields - Canal - Served

Toads DOR Gosford, Kern Co.

1 Gopher S DOR Gosford, Served grass

1 " S " " Grass-mesquite

1 " M " Stevens, Kern Co "

1 Arizona M " 5 mi. SW of Stevens grass

1 " L " " Mesquite

1 " L " " Served.

1 Gopher S " 6 " Grass.

1 Boyles KM " Tiepman, K. Co Thin brush

Uta SOR " "

1 Gopher L DOR " " Thin brush.

1 Arizona S " " Brush.

1 Whistler SOR " " "

1 Gopher S DOR " " Served.

1 Toad " " "

Toad and Bullfrog at Buttenwillowr Canal

1 Boyles K L DOR " Canal - fields

{ Continued on Jan. 14 }

THURSDAY, MAY 18, 1939

138th  
Day

Ascension Day—Holy Thursday

227 Days  
to come

Started from Bakersfield at 6<sup>40</sup>. It was clear and cool. Stopped for breakfast at Lebec.  
1 Buflfrog LDOR 5mi. S of Bakersfield = Wible.  
1 Longnose MDOR Wible, Kern Co, Grass-Cane  
Plenty red.

1 Arizona SDOR 5mi. S. of Greenfield Grass-field.  
1 Silvery footless COR do do

7<sup>15</sup> AM on the pavement.

1 Gopher small same place. Saved head.

1 Arizona M. DOR 9mi. N of Wheeler Ridge PO Grass

1 " M " 7" " " " " "

1 Gopher M " 5" " " " " " fields

1 Arizona M " 3mi. SE. of Gorman, LACo <sup>light</sup> brush.

1 Gopher L " Castaic Fields-grass

1 Red Racer L " El Toro Grass.

1 Gopher L " Galvan Fields

1 " S " " Grass

1 " L " Torrey Pines Grass-field

1 H.T. Sop Kearney mesa. Brush.

Took Gander home just; then arrived home at 1 P.M. Clear and warm.

Worked hard all afternoon and evening catching up.

Miles today 53; in SD Co 67.

Total miles for the trip 1615

FRIDAY, MAY 19, 1939

139th  
Day

226 Days  
to come

Went to the zoo this noon and saw  
Cy - first time since his return.  
Spent the evening continuing the attempt  
to catch up.

Trip of Jim Devel May 13.			
1 Leafnose	1 mi. E. of the Narrows	9 <sup>15</sup>	65° Windy
1 Sonora	1 " W " " "	9 <sup>00</sup>	65° "
1 "	1 " E " " "	9 <sup>50</sup>	67° "
1 Leafnose	The Narrows	9 <sup>55</sup>	67° "
1 "	Yagui Well DOR.		
1 "	" "	10 <sup>10</sup>	68° "
1 "	Sentenac	10 <sup>15</sup>	68° "
1 Spotted Night	"	11 <sup>10</sup>	64° "
Total miles 42			

Spent the morning on miscellaneous work and getting ready for the afternoon trip. Also went over to the zoo and participated in the oral examination of Bob Hoard for his master's degree. Saw Ray Cowles. Bloomfield worked part of the day.

In the afternoon at 1<sup>30</sup> Chas Shaw and I started for Indio. It was clear and warm with some breeze. As the afternoon progressed it was evident that it was going to be a very windy and rather cool night in the desert. We went via Capistrano and the Hot Springs Road across the Elsinore Mts; thence to Perris and Hemet; then across the San Jacintos via the Palms to Perris Highway; then to Indio where we secured accommodations before starting on the evening drive. The whole trip was characterized by the lack of DOR's; very few for this time of year. We watched for them carefully.

1 Red Racer	M DOR	Las Flores	Grass
1 Gopher	L DOR	Agra	Grass
1 Boyles K	L DOR	Doheny Park, Orange Co,	Grass
1 Gopher	M DOR	"	"

(Capistrano 3 PM)

1 Gopher	L DOR	Elsinore	Light brush
----------	-------	----------	-------------

(Continued on Jan. 15)



SUNDAY, MAY 21, 1939

141st  
Day

Sunday after Ascension

224 Days  
to come

Started home from Indio at 9<sup>05</sup>. It was clear, warm, and breezy.

- 1 Arizona M DOR Indio Orchards
- 1 Sonora L DOR Indio Wells Sandy desert.
- 1 " L DOR Date Gardens <sup>Sandy desert</sup> ~~Date grove~~. Saved.
- 1 Dip DOR Junction Palm Springs and P.to.P. highway.
- 1 " DOR Cathedral City.
- 1 Leopard lizard DOR Palm ~~City~~ Springs
- 1 Dips. SOR " " "
- 1 Arizona S DOR Whitewater, Brush.

Saw Allmans show to the west of Banning. He tells many wild tales in describing his snakes. Only one item worth while. Oreganus is found at this point. The show is fairly good although nothing rare. This is near the S.P. siding called Owl.

We arrived at Banning at 10<sup>30</sup> and went to the rocks  $1\frac{1}{2}$  mile south where we hunted until 12<sup>10</sup>. Got a number of Xantusia henshawi. Also Chuck got a fine large C. m. pyrrhus. Shot a few skellies and utas. Whiptails and oncuties were seen. One of the latter was found dead and saved.

- 1 Red racer L DOR Lamb Canyon Heavy brush.
  - 1 Lateralis L " " " light brush.
- Lamb Canyon is a short cut to San Jacinto south of Beaumont.

(Continued on Jan 18<sup>th</sup>)

MONDAY, MAY 22, 1939

142nd  
Day

Maritime Day

223 Days  
to come

Jim Deuel worked a short time this afternoon. Had a large Arizona which had been bitten by a rattlesnake and died.

Lew Walker reported a black racer DOR  $5\frac{1}{2}$  mi. S. of Shore Acres.

Mr. Born brought me a small Pacific Rattlesnake from Murray Dam

TUESDAY, MAY 23, 1939

143rd  
Day

222 Days  
to come

Went to El Cajon Rotary this noon.  
Clear and warm. 30 miles. Nothing seen.  
Deuel worked this afternoon. Preserved  
snakes and caught up some.

WEDNESDAY, MAY 24, 1939

144th  
Day

221 Days  
to come

Went to the zoo this noon and got specimens.

Started for Warners with Chickering at 5<sup>45</sup>.

1 Longnose M DOR Chollas Hts grass  
Dark at Sutherland. Reached Warners  
at 7<sup>35</sup>. Cool.

After supper started out on an evening drive at 8<sup>45</sup>. Clear and cold. Half moon. Drove fast on dirt road to Scissors Crossing. 63° at Yagui Well.

1 Shovel Nose COR 9<sup>53</sup>, Yagui Well 62°

1 Coleonyx COR 9<sup>58</sup> " " 61°

Turned back at the Narrows at 10<sup>10</sup>.

Slight breeze. 62°.

1 Coleonyx COR 10<sup>13</sup> Narrows

1 " COR 10<sup>29</sup> Yagui Well 60°

Reached Scissors Crossing at 10<sup>52</sup>; 56°.

Drove fast to return. Reached Warners at 11<sup>31</sup>; 46°.

Total miles: 132. Daylight miles 30.  
Night driving miles total 65; actual hunting miles on pavement 25. Time for this 1 hr 27 min. A surprising lack of DORs today.

THURSDAY, MAY 25, 1939

145th  
Day

220 Days  
to come

Started out with chuckering this morning at 9<sup>10</sup> A clear warm day. Very warm from Flinn Springs in. Went in via San Felipe (as far south as the beginning of Box Canyon grade) thence back to Scissors Crossing, Julian, Cuyamaca Lake, new Laguna road, Laguna Junction and home via Highway 80.

Whiptails and ritas were plentiful in upper end of San Felipe. 2 horned toads were seen in the middle.

1 Striped Racer L LOR San Felipe brush. 9<sup>35</sup> AM.

Caught a horned toad 7 mi S. of Cuyamaca Junction (= Laguna).

1 Cal King. DOR Glenview grass, pink Arrived at 1 PM. Very warm.

Surprised at lack of DORs. 117 miles all in SD County.

FRIDAY, MAY 26, 1939

146th  
Day

219 Days  
to come

Company tonight. Tried mt; nothing done.

Perkin's trip of May 27 to Borejo

Started at 4 P.M.

- |   |   |     |                         |                     |     |           |
|---|---|-----|-------------------------|---------------------|-----|-----------|
| 1 | Pyrchus L                                   | COR | Foster                  | 4 <sup>50</sup>     | 84° |           |
|   | Reached Scissors Crossing                   |     |                         | at 6 <sup>45</sup>  | 78° |           |
| 1 | garter                                      | COR | Top Sentenac            | 6 <sup>30</sup>     |     |           |
| 1 | Rules                                       | DOR | Sentenac Bridge         |                     |     |           |
| 1 | Gecko                                       |     | Pusin Camp.             | 7:40                | 84° | COR       |
| 1 | "   | "   |                         | 7:43                |     | "         |
| 1 | "   |     | The Narrows             | 7:50                |     | "         |
| 2 | "   | "   |                         | 8:00                | 86° | "         |
| 1 | Platyrrhina                                 | DOR | 3 mi. E. of Narrows     |                     |     |           |
| 1 | Leopard                                     | DOR | 9 mi. E. of the Narrows | 8:40                |     |           |
| 1 | Sidewinder                                  | DOR | 2 " W. of Bensons       |                     |     |           |
| 1 | Somora                                      | "   | 3 " W. of Bensons       |                     |     |           |
| 1 | Somora                                      | COR | 4 " " "                 |                     | "   | 9:30      |
| 1 | Arizona                                     | COR | 5 " " "                 |                     | "   | 9:31      |
| 1 | Gecko                                       | COR | 6 " E " The Narrows     |                     |     | 9:33      |
| 1 | "   | "   | 5 " " " "               |                     | "   | 9:40, 87° |
| 1 | Boyles King                                 | DOR | 4 " W " " "             |                     |     |           |
| 1 | Red Rattle                                  | COR | Sentenac Bridge.        | 10:35               |     |           |
|   | Reached Sentenac Bridge                     |     |                         | at 10 <sup>45</sup> | 83° |           |
|   | Evening drive 3 hr 45 min; 40 miles         |     |                         |                     |     |           |
|   | 60% moon. Should have been good but wasn't. |     |                         |                     |     |           |

SATURDAY, MAY 27, 1939

147th  
Day

218 Days  
to come

Spent the morning getting ready for a trip. Shaw, Dewel, and Bloomfield all worked. Went to Zoo and Natural History Museum. Huey has returned; got his specimens. Secured specimens at the zoo. Talked to Mrs. Benchley and she agreed to publish the King Snake Paper anytime. The boys got many specimens put away.

Started on a trip to Arizona and Boulder Dam with Chas. Shaw and Jim Dewel. Started at 130. Clear and warm. Slight breeze. Went as far as Miller's Corner via 395; then by 66.

- 1 Striped Racer L DOR Muráman Brush
- 1 Boyles King S DOR Lake Hodges Fields
- 1 Garter L DOR San Marcos Fields - grass
- 1 Red Racer L COR Bonsall Creek + fields

3:15 PM Clear and warm.

- 1 Patch nose S. DOR Bonsall. Trees + grass
- 1 Longnose M DOR Fallbrook. Ht. brush
- 1 H.T. DOR Rainbow
- 1 Garter L DOR Temecula Grass
- 1 Garter M DOR " grass + saved.
- 1 Boa S DOR North Elsinore Brush

(Continued on Jan. 19)

SUNDAY, MAY 28, 1939

148th  
Day

Whitsunday—Pentecost

217 Days  
to come

Awake at 6<sup>15</sup>; up at 7 and brought diary down to date.

Started from Needles at 8<sup>55</sup>; clear and hot. Said to have been 110° last two days here.

Dipsosaurus was active at Needles at 8.

1 leopard lizard (with orange color) DOR at Blythe road junction, 6 mi. S. of Needles. Rocky desert.

Callisaurus observed 12 mi. S. of Needles. (Beal). Reached Topock at 9<sup>25</sup>.

Dipsosaurus noted 2, 3 and 5 mi. N. of Topock; rocky and sandy desert. But the lizards were not nearly as common here as on a former trip.

Collared lizards were collected 9 and 10 mi. N. of Topock in lava rock. One was noted standing with straightened legs to avoid the hot rock.

Dips. noted 10 mi. N. of Topock. lava rock.

Uta stans 12 mi. N. of Topock. Rocky desert.

Collared lizard 13 mi. N. " " "

First chuck seen 16 mi. N. of Topock amid scattered lava boulders.

17 mi. N. of Topock caught 2 chucks (1 small) and 1 collared lizard. Scattered rocks  
(Continued on Jan 28)



MONDAY, MAY 29, 1939

149th  
Day

Monday in Whitsun Week

216 Days  
to come

Awake at 6<sup>35</sup>; up at 7 and brought diary down to date. This took an hour. Woke the boys up.

Left Las Vegas at 9<sup>15</sup> for Boulder City and Boulder Dam. It was part cloudy and hot. Just before Railroad Pass and at the Pass collies were seen and collected on scattered boulders. One whiptail was seen.

Spent from 10 AM to 12<sup>10</sup> going through the power plant with H.O. Watts. The most thorough inspection I have ever made.

We then returned to Boulder City where we had lunch at the green Hut. The choc-malt wasn't as good as some we have had.

Went to the Park Service Museum and sat around waiting for Grater which we did for about half an hour until someone told us that he was down where a new beach was being constructed by the CCC and might not be back in the afternoon at all.

Further we went and had some difficulty finding the place. Finally located it and Grater to the north of the present landing but still in Hemmenway wash.  
(Continued on Jan 25)

TUESDAY, MAY 30, 1939

150th  
Day

Tuesday in Whitsun Week  
Memorial Day

215 Days  
to come

Up at 7<sup>15</sup>; wrote up yesterday's entry until 8<sup>25</sup>.

Started from San Bernardino at 9<sup>20</sup>. It was warm with a high fog. Stopped for breakfast at Riverside and left there at 10<sup>15</sup>.

Stopped for a few moments to hunt in granite on Box Springs' grade. Got 2 skellies and Tim got a small rubber..

1 Arizona M DOR Anderson, Riv. Co. Fields  
dark color.

1 Red Racer M DOR Perris, Grass Sued.

1 Gopher L DOR Elsinore Grass - lt. brush.

1 B.b. halophilus DOR Wildomar

1 Arizona M. DOR Murrieta Fields <sup>Park</sup> color.

1 H.T. DOR Murrieta

1 " " Temecula.

1 B.b. halophilus DOR Temecula

1 Gopher L DOR Temecula Fields <sup>saved</sup> head.

1 Patchnose M DOR Temecula grade brush.

1 Red Racer L DOR Bonsall Grass trees

1 Gopher L COR " " "

(turned him loose). 12<sup>35</sup> P.M.

1 Boyles King M DOR Bonsall lt brush-trees.

1 Striped Racer M DOR Romsees Brush.

1 Gopher S. DOR. Poway lt brush & fields

1 Longnose M DOR " " " "

(Continued on Jan. 31)

WEDNESDAY, MAY 31, 1939

151st  
Day

Ember Day

214 Days  
to come

Nothing done tonight. Bancrofts called; brought in a horned toad from the Huachuclas.

Went to La Mesa Rotary this noon. Started at 11 and went out via the Otay test stretch of road. (See 1939 paper, p. 25) Not a DOR in the test section. Then went via Chula Vista, Sweetwater Dam, and Helix to La Mesa and home on Broadway extension.

1 Gopher L DOR Otay Grass Swardhead  
1 Boyles King L DOR Bonita Grass  
Total miles 55.

THURSDAY, JUNE 1, 1939

152nd  
Day

213 Days  
to come

Out to dinner tonight; tired.  
Nothing done.

FRIDAY, JUNE 2, 1939

153rd  
Day

Ember Day

212 Days  
to come

A little miscellaneous work tonight.  
Too tired to do much; also callers.

Gander reports:

1 Longnose M DOR Grass and fields.  
Fletcher Hills.

SATURDAY, JUNE 3, 1939

154th  
Day

Ember Day  
Confederate Memorial Day (Tenn., Ky.)

211 Days  
to come

Gander reports:

(Boyles, King, L DOR Harbison Canyon  
Brush and trees.

Went over to the zoo and natural history  
museum in the morning.

Worked all day and evening on  
miscellaneous items. Read Arthurs ms.

Made final changes in King Snake paper  
and submitted it to Perkins.

Shaw and Bloomfield worked all day;  
Devel in the morning. Pickled and tagged  
specimens.

SUNDAY, JUNE 4, 1939

155th  
Day

Trinity Sunday

210 Days  
to come

Miscellaneous work all day. Chas worked from late morning on, preserving specimens. Jim worked a short time in the afternoon.

At 4<sup>15</sup> started for Borego with gg. It was cloudy and warm. Found it unexpectedly cold in the mountains; and cool and windy on the desert.

- 1 Oreganus S. DOR Cholla Hills Brush.
- 1 Garter L " Lemon Grove Fields
- 1 Gopher S " Grossmont Orchards
- 1 " " " Santee Grass

Reached Passions Crossing at 7<sup>00</sup>. It was cold and windy; cloudy. 54°.  
Pundown. Almost gave up the trip but decided to go on to Benson just for the ride.

- 1 Pyrrhus M DOR Top of Tentac Rocks  
Stream

60° at Yaqui Well. Not dark.

- 1 Coleonyx LOR 4 mi. W. of Benson 7<sup>40</sup> 66°
- 1 " COR 3 " " " " 7<sup>50</sup> 66°

(very windy)

- 1 Sonora L COR 1 mi. W. of Benson 7<sup>55</sup> 70°
- 1 Coleonyx LOR " 7<sup>59</sup> 70°

Arrived at Benson at 8<sup>05</sup> 70°  
very windy. Stayed until 8<sup>15</sup>. It was then quite dark.

(Continued on Feb. 1)

MONDAY, JUNE 5, 1939

156th  
Day

209 Days  
to come

Accounts tonight.



TUESDAY, JUNE 6, 1939

157th  
Day

208 Days  
to come

A little work tonight. Too tired to do much.

Recd a DOR charina from the north abutment of the Golden Gate Bridge.

Trip by Young Cy Perkins  
left Sentenac Canyon Br. at 6<sup>35</sup> P.M.

L. v. roseofusca	COR	6 <sup>40</sup>	Sentenac Canyon.
"	COR	6 <sup>45</sup>	" "
S. occipitalis	COR	7 <sup>25</sup>	Borego area.
"	DOR		"
P. d. perkinsi	COR	7 <sup>45</sup>	"
C. cerastes	COR	8 <sup>15</sup>	" warm and breezy
P. d. perkinsi	DOR		
S. occipitalis	DOR		
P. d. perkinsi	DOR		
"	"		
"	"		

WEDNESDAY, JUNE 7, 1939

158th  
Day

207 Days  
to come

*Company tonight.*

THURSDAY, JUNE 8, 1939

159th  
Day

Corpus Christi

206 Days  
to come

Heroy Arnold called today. Talked over his project with him and identified a few reptiles for him.

Theo Reddick writes re Xantusia riversiana from Santa Barbara Island

"I was surprised to find, after running a stomach examination, that they are principally vegetarians, eating the seeds of Coreopsis gigantea.

Gardner reports:

1 Rhyed Race DOR Murphy Canyon Thin brush.

FRIDAY, JUNE 9, 1939

160th  
Day

205 Days  
to come

Today Chas. Shaw and I left for a desert trip at 5:25 in the afternoon. It was clear and warm. We had loaded the car at noon. We went out to Borego and Indio via Fletcher Hills and the usual route to Julian; thence to Kane Springs Junction and to Indio. There were comparatively few snakes DOR on the coastal side of the mountains, indicating that the season is already past its peak on this side. It was dusk at Julian so the daylight driving will only be counted this far.

1 C. rucker S. COR Shady Dell 6:23 PM  
Fields and trees. Sun had just set (in this mountain valley). Hit him in the tail myself.

1 Gopher S DOR Sutherland brush.  
Reached Julian at 7:12. Dusk.  
Caught a Blainvillii 2 mi. W. of Scissors Crossing on the road at 7:30. Almost dark. Think this is the darkest I have ever seen this species active.

Scissors Crossing at 7:35 breezy and cool. 68°F. (still not quite dark)  
(Continued on Feb. 3<sup>d</sup>)

This morning I was awakened at 4:30 by the failure of the ventilating fan in my room. The support broke and the fan blades hit the sides with a violent clatter which startled me out of a sound sleep. As I couldn't sleep any more I decided to cruise the roads to see what's doing early, before the birds clear the corpses.

Got started at 4:50 warm and a little breezy. Just sunup. Toads still calling. Took the Palm Springs, Whitewater, Edom loop. Nothing seen alive not a single lizard. Back at Indio at 6:55. Now quite warm, some breeze. 64 miles for this drive.

- 1 Gopher M DOR Indio fields (sawd head)
- 1 Arizona S DOR 3 mi. SE of Cathedral City <sup>Rocky: sandy</sup> desert
- 1 Leafnose L " " "
- 1 Sidewinder S " " "
- 1 Hornnose L " 5 mi. NW of Palm Springs <sup>Brushy</sup> desert
- 1 Sidewinder M " 6 " " " " " "
- 2 Sonoras L DOR Palm Springs RR Sta. <sup>Brushy</sup> desert. <sup>Paved</sup>
- 1 Arizona M " " " " " " "
- 1 Sidewinder M " " " " " " "
- 1 Boa S DOR Whitewater <sup>Rocky wash.</sup> <sup>Paved</sup>  
(poor condition. looks like an intergrade).

(Continued on Feb. 10)

SUNDAY, JUNE 11, 1939

162nd  
Day

1st Sunday after Trinity—St. Barnabas

203 Days  
to come

This morning we started from Indio for Trona at 9<sup>15</sup> very hot. These notes are being written in the Trona restaurant at 4<sup>50</sup> P.M. Very hot outside.

Dips were very plentiful playing and scouting on the road at Bixtra Junction, Myoma, Dug Camp, and Edom (Riverside Co). They curl their tails up to avoid the heat of the pavement. Callie's and dips were seen at Rims and Garnet; dips at 29 Palms Junction.

- 1 Red Racer L DOR Whitewater; greasewood
- 1 Red Racer M DOR Palm Springs Trct; "
- 1 Gopher S DOR Beaumont; fields
- 1 " L " Redlands; orchards
- 1 " S " Muscovy (San Berdo Co) <sup>Vineyard</sup> fields <sup>grass</sup> full
- 1 Longnose S " " " "
- 1 Gopher L " " Light brush
- 1 Arizona M " " Light brush - fields
- 1 Longnose S " Verdmont " " "

(Plenty red between small black blotches)

- 1 Boyles King L DOR Devore Rocky wash.
- 1 Striped Racer L " Cayin Station <sup>trees and</sup> heavy brush.
- 1 Boyles King L " " " Light brush.

Reached Victorville at 12<sup>23</sup>; hot and still after lunch here

(Continued on Feb. 23d)

MONDAY, JUNE 12, 1939

163rd  
Day

202 Days  
to come

This morning at 9<sup>03</sup> I started alone for a meeting with Lewis and Dolson at Chino and an inspection of the new Edison Substation. It was a hot sultry day. Returned to San Bernardino at 1<sup>30</sup>. 68 miles. No DORs except toads B.b. halophilus at Chino.

Chuck Shaw and I started for home at 2<sup>15</sup>. Went to the Coast from Ronsee's in order to avoid the heat.

1 Red Racer L DOR Bonsall <sup>grass</sup> ~~Trees~~-brush.

1 Gopher M SOR San Luis Rey. 4<sup>47</sup> P.M.

Hot. Put him off the road. grass

1 Gopher S DOR San Luis Rey grass

1 " L " Bonsall Trees-brush.

1 " S " Rose Canyon grass

Arrived home at 5<sup>45</sup>. Clear and cool.

Spent the evening catching up with work. Shaw worked until 8<sup>30</sup> getting everything in shape.

Miles today 190, in San Diego Co. 64.

Total miles for the trip 971

Bob Hoard called tonight to prepare for a trip to San Quentin.

TUESDAY, JUNE 13, 1939

164th  
Day

201 Days  
to come

Called at the Zoo this noon and got specimens from Cy.

Perkins' trip to Borego, June 10<sup>th</sup>.

Left the zoo at 5:30

1 Gopher S. COR Banner (store) 7<sup>30</sup>, 78° <sup>Light on.</sup>

1 Red Racer DOR Accessions Crossing.

1 Gecko COR Bentonac 7<sup>46</sup>; 82°

1 Leafnose COR Yagui Well 8<sup>02</sup>, 83°

1 Red Racer DOR " "

1 Cal King (spotted) COR 3<sup>1</sup>/<sub>2</sub> mi W of The Narrows 8<sup>57</sup>, 87°

1 Spotted Night CoR The Narrows 9<sup>00</sup>, 88°

1 Leafnose 2 mi " E. of The Narrows 9<sup>01</sup>, 89°

1 " 3 " " " " " 9<sup>18</sup>, 89°

1 " 4 " " " " " 9<sup>20</sup>, 89°

1 " 5 " " W " Bensone 9<sup>31</sup>, 90°

1 " 4 " " " " " 9<sup>35</sup>, 90°

1 " 3 " " " " " 9<sup>40</sup>, 91°

1 " 3 " " " " " 9<sup>43</sup>, 92°

1 Shore nose 1 " " " " " 9<sup>52</sup>, 91°

1 " DOR The Narrows

1 Leafnose COR 1 mi. W. of The Narrows 10<sup>55</sup>, 88°

1 " " 1 " " " " " 10<sup>55</sup>, 88°

1 Longnose DOR 2 " " " " "

Reached Accessions Crossing at 11<sup>30</sup>, 82°

Miles evening drive 51; elapsed time 4 hrs.  
note how much warmer than the  
14 hr. snakes. night before when we got 30.

High wind. No moon. They rode the fences and most on steel wire on the berries.



WEDNESDAY, JUNE 14, 1939

165th  
Day

American Flag Adopted 1777 (Flag Day)

200 Days  
to come

Artran called yesterday; talked over his me. on venomous animals.

RR Miller and his partner called today on his way back from Laguna Palada. Tried to get to San Felipe but had car trouble. Left me some callys and a horned toad.

Chuck Shaw worked today and got a good many specimens pickled.

Taylor Smith brought me in a large King snake from Point Loma.

THURSDAY, JUNE 15, 1939

166th  
Day

Pioneers' Day (Idaho)

199 Days  
to come

Go and Shorty left for Europe at 2<sup>30</sup>  
Shaw worked all day.

Jay brought me a small Boyle's King  
collected in traffic at 1<sup>st</sup> and Market.

✓ Talked on snakes to Pt. Loma mess club  
at fathers and sons meeting tonight.

FRIDAY, JUNE 16, 1939

167th  
Day

*Feast of the Sacred Heart*

198 Days  
to come

Called at the zoo this noon.

Shaw worked all day catching up on preserving specimens.

Miscellaneous catching up tonight; too tired to do much but did work on the catalogue making entries.

SATURDAY, JUNE 17, 1939

168th  
Day

Bunker Hill Day (Boston)

197 Days  
to come

Shaw and Devel worked all day.  
Worked on the catalogue today  
and now have it up to date.

Billy Woodin III and his step-  
father Melville Haskell called this  
morning. They are staying at  
the Valencia Hotel in Tula, for about  
3 weeks. Billy brought some nice  
specimens which he left with me.  
He had a Tantilla said to have been  
collected on the Arizona side at Boulder  
Dam. It checked out atriceps rather  
than utahensis as might have been  
expected. Arranged to take Billy  
on a trip this evening. Showed him the  
collection.

Spent the rest of the day on  
miscellaneous clerical work.

At 4:07 in the afternoon started  
for the desert with Billy Woodin - and  
with Devel and Shaw driving the  
Chevrolet. It was cool and breezy.

- 1 Bufo b. halophilus DOR Santa Ysabel
- 1 Banded racer M DOR Wynola grass-trees
- 1 Gopher S. DOR Wynola Fields-trees
- 1 " S " " grass-trees.

Arrived at Julian at 5:55.  
(Continued on March 2)

SUNDAY, JUNE 18, 1939

169th  
Day

2nd Sunday after Trinity

196 Days  
to come

Called at the zoo with Billy Woodin  
this morning. Got specimens.

Worked all the rest of the day and  
evening on miscellaneous work  
including a reply to Taylor re our  
overlapping on the worm snakes.

MONDAY, JUNE 19, 1939

170th  
Day

195 Days  
to come

Went to the Reptile Club tonight.  
Perkins gave a good talk on his South  
American trip.

Reddick, Woodall, Organbright and  
several out of town people were there.

Reddick says Xantusia ~~hex~~ riversiana  
doesn't come out at night. On San Clemente  
they are under rocks; on Santa Barbara  
under ice plant. Says a gopher snake  
was killed by marines on San Clemente.

TUESDAY, JUNE 20, 1939

171st  
Day

194 Days  
to come

Chas. Shaw worked today.

Miscellaneous work tonight.

Discovered today that the thermometers I have been using is in error. This will require a change in all readings so far this year.

Impossible to tell when the thermometers went haywire. The calibrations were made by White this day.

Tycos thermometer reads  $10^{\circ}$  high at  $90^{\circ}$  F. Correct  $50^{\circ}$  to  $80^{\circ}$  inclusive.

Ballo thermometer (one I have been using) reads  $17^{\circ}$  low at  $60^{\circ}$  to  $80^{\circ}$  and  $16^{\circ}$  low above. I have been making a correction of  $20^{\circ}$  which makes the net error  $15^{\circ}$  and  $14^{\circ}$ .

Both thermometers were in use on the night of June 17 and an error of at least  $11^{\circ}$  was evident that night. But the error was not present to the same degree all spring as can be seen by some of the results. Adding  $14^{\circ}$  or  $15^{\circ}$  to the readings (for example on the Bakersfield trip) gives impossible figures.

WEDNESDAY, JUNE 21, 1939

172nd  
Day

193 Days  
to come

F.H. Lane came to supper. Then went to a movie.

Phant worked today

(June 22 continued)

- 1 Longnose L DOR 5 mi. S. of Adelanto Saved
- 1 Dip DOR 12 mi. N. of Adelanto
- 1 Gopher DOR Kramer Junction 10 PM, 84° Saved.
- 1 Scute S DOR (Hit and squirming) 1 mi W of Kramer Junction Saved
- 1 Scute S DOR Amargo Saved
- 1 Boyles King M DOR North End Rogers Dry Lake, Kern Co., Saved.
- 1 Gopher L DOR 15 mi. E. of Mojave. Saved head
- 1 " S COR 14 " " " " 10<sup>42</sup>, 82°
- 1 " S DOR 3 " " " "

Moon set at 10<sup>45</sup> 89°

Reached Mojave at 11<sup>05</sup>. Drove fast to Palm Dale which was reached at 11<sup>45</sup>.

Warm and windy. Preserved snakes until 12<sup>30</sup>. Put up at a ratty hotel.

No good auto courts along here.

Miles today 314

In S.D. Co in daylight 54.

Evening hunting drive (Count to Mojave only) 120 miles 3 hr, 45 min. Good weather but a rotten evening. The season is too late.

New thermometer begins today.



THURSDAY, JUNE 22, 1939

173rd  
Day

1st Day of Summer

192 Days  
to come

Today at 2<sup>35</sup> started for the Mojave desert with Shaw. It was warm and overcast. Went via Santa Ana Canyon  
1 Gopher L DOR Torrey Pines Brush.  
1 " L " Doheny Park Grass  
1 " M " " " Grass-Orchard.  
1 " " " Corona Fields.

Reached San Bernardino at 6 PM. Clear-warm.

2 Gophers L DOR Devore Brush.

We went up the Cajon Canyon branch road toward Palm Dale. Stopped and ate supper. There are Joshua trees on this road south of the pass.

Started on at 7 P.M. sundown 76°. This road looks fairly good. (in season)

2/5 moon tonight.

1 Red Racer M. DOR 3 mi. W. of Phelan <sup>light brush</sup> saved

At the Junction with the Adelanto road we turned back and went SE to the pass again so as to give the road a chance in the dark. Again we hit the junction with the Adelanto road, this time at 8<sup>28</sup>. Quite dark; turned east. 84°.

1 Rute Small DOR 6 mi. E. of Lano, LACo saved

1 Arizona S COR 10 mi. E. of Lano, LACo, 8<sup>37</sup>, 82°

2 Geckos SOR 6 mi SW of Adelanto 8<sup>45</sup>, 79°

1 Arizona S. DOR 5 mi SW of "

1 " " 6 mi. N. of Phelan  
(Continued on June 23)

FRIDAY, JUNE 23, 1939

174th  
Day

191 Days  
to come

This morning we started for L.A.  
from Palmdale at 7<sup>30</sup>. It was clear and  
warm.

- 1 Long nose M DOR Harold LAC Small brush
- 1 Red Racer S DOR " " " " saved
- 1 Long nose M DOR Sierra Pelona Valley  
LAC Small brush.

- 1 Arizona S. DOR Humphreys LAC <sup>grass</sup> brush.

Reached Los Angeles at 9<sup>45</sup> and  
attended meetings until 11<sup>45</sup>.

- 1 Arizona L DOR Maria Loma, Riv. Co <sup>Vineyard</sup> Field  
at Riverside from 1<sup>45</sup> to 2<sup>30</sup>. Tire trouble.

- 1 Boyles King L DOR Eden Hot Springs <sup>Brush</sup> grass

- 1 Gopher L DOR 2 mi S. of " "
- 1 " L DOR Gelman Hot Springs Fields

Went to Hemet; then up the Palms to  
Pine highway.

- 1 Pacific Rattles M DOR 2 mi W of Ribbonwood  
Brush and rocks.

Surveyed the road for night collecting.

The rocks begin 1 mi. W. of Ribbonwood.

- 1 Snake LOR 1 mi. W. of Nightingales.

Probably a patchnose.

Bought some food at Nightingales and  
ate supper until 6<sup>40</sup>, 4 mi E. Warm and  
breezy. Sundown.

Then cruised down to the junction  
(Continued on March 6)

SATURDAY, JUNE 24, 1939

175th  
Day

Nativity of St. John Baptist

190 Days  
to come

Started home from Banning this morning at 10. Via Morena grade, Hemet, Winchester, Tamecula, Esccondido.

1 Bulfrog DOR Gilman Hot Springs, Riv. Co.

1 Longnose MDOR Fallbrook, light brush.

1 Arizona S. DOR Lake Hodges " "

1 Longnose L " Poway Grass.

Reached home at 1:13. Clear and warm.

Miles today 123; in S.D. Co. 65.

Total miles for the trip 732.

The lack of DOR's shows that the season is passed as far as diurnal snakes are concerned.

Went to the office and zoo in the afternoon. Worked on miscellaneous catching up afternoon and evening.

SUNDAY, JUNE 25, 1939

✓ 176th  
Day

3rd Sunday after Trinity.

189 Days  
to come

Bob Hoard called this morning to discuss ~~set~~ his Chilomeniscus paper. Talked it over at length.

All kinds of miscellaneous work today to clean up the desk. Another careful reading of the Lampyropeltis paper.

---

Pertin's Trip to Borego - June 23<sup>d</sup>

West Wind - Moon  $\frac{1}{2}$  full.

1 gopher DOR Riverview

1 " " Ramona

1 Worm COR 1.4 mi. E. of Acassios Crossing  
802 80°F

1 Red Rattles COR Pentase Canyon 8<sup>20</sup> 80°F

1 Sonora " Yaqui Well 8<sup>35</sup> 81°F

1 " " The Narrows. 8<sup>50</sup> 82°F

1 Gecko " " 8<sup>55</sup> 83°F

1 Sidewinder DOR 5 mi E. of The Narrows

1 Gecko COR The Narrows 10<sup>45</sup> 84°F

76° at Acassios Crossing at 11<sup>15</sup>

Total Night drive 51 mi., 4 hr. 10 minutes.

MONDAY, JUNE 26, 1939

✓ 177th  
Day

188 Days  
to come

The new S. and B. Check list arrived today. Well its no better and no worse than was expected. Lots of differences of opinion of course; but also a lot of carelessness which was unexpected. Exsul and ruber, for instance. Scutellatus etc.

TUESDAY, JUNE 27, 1939

178th  
Day

187 Days  
to come

Went to a movie tonight.  
Went to zoo this noon.

Trip of the Arganbrights and Jim  
Deuel to Borego June 21. Started  
at 5<sup>20</sup> P.M. a warm day.

- 1 Gopher DOR Santee Grass & light brush
- 1 Oreganus Jar COR Ballena Grass 6<sup>00</sup> PM?
- 1 Cuckoo (L) Senteras Canyon COR 80° 7<sup>15</sup> almost dark.
- 1 Colonyx COR " "
- 1 Worm 0.6 mi. E. of Scissors Crossing.  
74° 80° P.M.

- 1 Worm 2.1 mi E of Scissors Crossing.  
74° 81°

- 1 Spotted night DOR Senteras canyon.

- 1 " " COR " "

- 1 Worm 2 mi. E of Bridge. 83° 85° (Toward Yagui)

- 1 Bonora do " "

- 1 Snake escaped Yagui Well. 9<sup>15</sup>

- 1 Gecko 6 mi W. of Bensons 9<sup>40</sup> 90°

- 1 " 4 " " " " 9<sup>50</sup> 85°

- 1 " 2 " " " " 9<sup>55</sup> "

- 1 " Bensons 10<sup>45</sup> 88°

- 1 Leafnose DOR The Narrows

- 1 Gecko 3 mi. W of Bensons 88° 10<sup>15</sup>

- 1 Leafnose COR The Narrows 86° 10<sup>45</sup>

- 1 Gecko COR Scissors X 11<sup>55</sup> 68°

50 miles night driving

WEDNESDAY, JUNE 28, 1939

179th  
Day

186 Days  
to come

Called at the zoo this noon.

A little work tonight.

Submitted the King-snake paper to  
Mrs. Benchley.

THURSDAY, JUNE 29, 1939

180th  
Day

*St. Peter*

185 Days  
to come

Miscellaneous work tonight



FRIDAY, JUNE 30, 1939

181st  
Day

184 Days  
to come

Out to dinner tonight.

Miss Schneberger completed copying the figy paper. Now comes the job of arranging the figures and tables, a very considerable one.

SATURDAY, JULY 1, 1939

182nd  
Day

183 Days  
to come

Jim Deuel worked today.

Went to the zoo and natural history museum this morning.

Worked most of the day coordinating the tables and figures of the gang paper. Much of this still remains to be done; it is a long job.

SUNDAY, JULY 2, 1939

183rd  
Day

4th Sunday after Trinity

182 Days  
to come

Spent the day working on the  
fancy paper, particularly figures and  
tables. Much remains to be done.  
But the arrangement is now worked out.  
It will require 64 pages.

MONDAY, JULY 3, 1939

184th  
Day

181 Days  
to come

Out to dinner tonight.

TUESDAY, JULY 4, 1939

185th  
Day

Independence Day

180 Days  
to come

Both Chas. and Tim worked today,  
preserving and counting.

Went to the zoo and nat. hist. museum  
this morning.

Spent the day on miscellaneous work;  
horned toads etc. Read the entire gang  
paper again.

Outfitted Lew Walker today with a  
6 jar box, 3 single shot rifles, 400 shells,  
ramrod.

WEDNESDAY, JULY 5, 1939

186th  
Day

179 Days  
to come

Chas. Shaw worked today.  
Move tonight.

THURSDAY, JULY 6, 1939

137th  
Day

178 Days  
to come

Shaw worked until 3 P.M. today.  
Accounts tonight.

FRIDAY, JULY 7, 1939

188th  
Day

177 Days  
to come

Chas. Shaw worked today.

Nothing done tonight; not feeling well.

C.c. mormon localities from Waldo Abbott:

Rattlesnake Canyon, Santa Barbara Co  
Veronica Spring, " " "



SATURDAY, JULY 8, 1939

189th  
Day

176 Days  
to come

Spent the morning pasting species  
names on 2 large curve sheets

In the afternoon and evening worked  
on *Rhinócheilus* - particularly locality  
records and made good headway.

SUNDAY, JULY 9, 1939

190th  
Day

5th Sunday after Trinity

175 Days  
to come

Spent all day and evening (except  
out to lunch) on Rhinoceroses, mapping  
and tabulating.

MONDAY, JULY 10, 1939

191st  
Day

174 Days  
to come

Spent some time at noon and evening outfitting Chuck and Cy for their coming trip to Arizona. Directions, maps, collecting equipment etc.

A young Britisher named Boursot called today. Queer youngster trying to do western US by stage and afoot at this time of year. Particularly interested in reptiles and cacti.

Spent the evening on miscellaneous work.

TUESDAY, JULY 11, 1939

192nd  
Day

173 Days  
to come

A little miscellaneous work tonight.  
The boys left this morning

WEDNESDAY, JULY 12, 1939

193rd  
Day

Orangemen's Day

172 Days  
to come

Miscellaneous clerical work tonight.  
Recd a shipment of P. browni  
from Lee Arnold today. Also a  
stephensi from Stevens.

---

Trip by C. S. Perkins and Chas. Shaw.  
Started from S.D. at 8<sup>10</sup> A.M., clear warm and  
breezy.

- 1 Calking L DOR Viejas Field + orchard
- 1 Gopher S DOR Pine Valley Dry wash + trees
- 1 " S DOR Live Oak Spr. Brush.
- 1 Red Racer L DOR 9 mi. E. of Holtville Mesquite Dunes.
- 1 Cally SOR 6<sup>05</sup> P.M. 15 mi. W. of Casa Grande.

Started the evening drive at 7<sup>40</sup> 101° sunset  
going west from Casa Grande. Went west only  
7 mi. beyond Pinal-Marcopita line - then turned east again.  
No moon or wind. 99° when turned around.

- 1 Phyllorhynchus COR Orange Valley, Pinal Co.  
9<sup>15</sup> P.M., 98°F

- 1 Gecko DOR Saved 12 mi. W. of Casa Grande
- 1 Arizona COR 12 mi. W. of Casa Grande 9<sup>40</sup>; 90°F
- 1 Phyllor. COR 6 " " " " 10<sup>00</sup>; 89°
- 1 Gecko COR 5 " " " " 10<sup>02</sup>; 89°
- 1 B. woodhousii COR 3 " " " " 10<sup>30</sup>;

Turned south at Casa Grande 3 mi.; then E. 7 mi.

- 1 B. alvarius COR Arizona, Pinal Co.

Quit at Casa Grande at 11<sup>45</sup> 94°. Total miles  
today 445; miles night drive 88 mi; 4 hr.; 25 minutes

THURSDAY, JULY 13, 1939

194th  
Day

171 Days  
to come

Mrs. Benchley told me this morning she had not seen the King Snake paper. Later she found it.

Recd a shipment from Williams at Illabe, Oregon; some were dead.

Some miscellaneous worm snake range studies tonight.

Perkins & Shaw trip today

This morning went first to Casa Grande National Monument to see Dodge. Went via Coolidge. Left at 9<sup>45</sup>.

1 *Platyrrhinus* DOR 4 mi. S. of Coolidge, Pinal Co

1 Red Racer MDOR 3 " " " " Brush.

1 Spotted Nte LDOR 470 mm. Coolidge

Reached Tucson at 1:15. Visited with Arnold.

Started the evening drive at 8:15. Still glowing west.

3 *P. solari* DOR at A mt. & to Ajo Junction = Escuela

1 " " 2 mi. S. of Ajo Junction

1 *T. macriscus* COR 3 mi. N. of San Xavier 8:50, 90°

1 *C. scutulatus* " " " " " " 8:55, 90°

1 *H. ochror.* " 1 " " " " " 9:10, 94°

→ *S. magister* DOR (144) 2 " " " " "

Returned to Tucson at 9<sup>40</sup>, 98°, very windy. Went east toward Salinas Canyon.

1 *Gopher* COR 9:55 94° WRIGHTSTOWN.

1 *P. browni*. DOR WRIGHTSTOWN

1 *Gecko* DOR " 10<sup>10</sup>, 94°. Just hit.

1 *P. browni*. COR Salinas Canyon 10<sup>30</sup>, 92°

(Continued on March 8<sup>th</sup>)

FRIDAY, JULY 14, 1939

195th  
Day

170 Days  
to come

Miscellaneous work tonight.

Figures for the fung paper are now almost ready; should be able to send it to the printer next week.

Gardner reports catching a small ringed king at Mission gorge Brush 9AM.

---

Perkins & Shaw-trip today.

Left Tucson east bound at 10<sup>15</sup>. Clear, warm, cloudy to the south. Collected lizards for a short time at the Pinal-Cochise Co line. Got 2 snakes from a hauler at Benson. Went down to Tombstone, Bisbee, Howell, Warren and Naco. Cloudy and some rain.

1 Red Racer L. DOR 15 mi. S.W. of Bisbee <sup>scattered</sup> brush.

Started the evening drive at 7<sup>15</sup>. Some rain, some lightning. Worked over to the foothills of the Huachuclas and back to Naco, Don Luis and Bisbee. Temp 82° down to 74°. Saw only one snake and he got away.

Miles today 193; evening drive 43 miles 2 hr. 22 minutes. A very poor day.

SATURDAY, JULY 15, 1939

✓ 196th  
Day

St. Swithen's Day

169 Days  
to come

Jim worked today on worm snakes and *Phyllorhynchus*, scale counting.

Went to the Nat. Hist. mus. and zoo today. Mrs. Benchley told me to go ahead with the King Snake paper.

Spent the day on *Rhinischilus* studying the differences in the desert form clarus? centering in the Colorado desert. Got fairly well along.

Out to dinner tonight.

Perkins and Shaw trip.

This morning they started for the Huachuclas at 7:30, 72°.

1 Red Racer M DOR Mesquite 10 mi. W. of Don Luis Cochise Co

1 Gopher S " 14 mi. W. of Don Luis, Cochise Co, Gran

Worked Carr and Ramsay canyons without success, then went N. to the Santa Rita. No luck. Returned to Tucson at 4:10 PM.

Started evening drive at 7:15, 100°. Just sunset. Went toward Florence. Went to end of pavement

1 P. d. decurtatus COR 5 mi. N. of Tucson 9:40, 93°

1 Trimorphodon DOR Escuela

1 Gila Monster DOR "

1 marceana San Xavier COR 10:30, 86° Very windy

(Continued on March 9)



SUNDAY, JULY 16, 1939

✓ 197th  
Day

6th Sunday after Trinity

168 Days  
to come

Spent all day and evening on Rhinocheilus except a couple of hours at the office.

Outlined the character differences between ~~st~~ lecontei and clausi and determined which specimens fell outside of a logical geographical pattern.

Fun Deuel reports a red racer crawling on the road at  $6^{\circ}30'$  P.M. Salueta  
(Entered in census).

Perkins & Shaw trip.

Left Tucson next morning at  $11^{10}$   
1 Cally DOR at Oracle Jct. Went to Florence,  
Apache Junction and Phoenix. Saw Evans.

Took an evening drive in the Wickenburg area.  
1 Gecko COR 4 mi. NE of Congress Jct, Yavapai Co  
 $9^{\circ}50'$ ;  $90^{\circ}$ . Another DOR.

1 Scutellatus MDOR ~ mi. S. of Congress Jct.

1 Leafnose DOR 3 " " " " "

1 Scutellatus COR 3 " " " " "  $10^{\circ}40'$ ;  $88^{\circ}$

1 Boyle's King DOR 9 " " " " "

1 Scutellatus DOR Wickenburg

Miles today 247; evening drive 45 mi.,  
3 hr, 55 min.

MONDAY, JULY 17, 1939

✓ 198th  
Day

167 Days  
to come

Went to the Reptile Club tonight to hear a talk by Mrs. Grace Olwe Wiley.

Turned the King Snake paper over to Frye and Smith, printers.

The tables and figures of the Gang paper are finally complete and the paper is ready to go to Stanford Press.

Jim Bevel reports a red rattlesnake crawling abroad at 5 P.M. Scissors

Crossing (Extinct & common)

Perkins and Shaw trip.

Left Wickenburg at 9:15

1 Platyrhinos 3 S. & Congress Junction

1 ~~Red~~ Racer DOR Canyon Padre, Coconino Co

Started the evening drive out of Winslow at 8 PM windy 87°. No luck

1 Gopher S DOR Winslow

Miles today 295; evening drive 50 miles.  
this, 50 minutes.

TUESDAY, JULY 18, 1939

✓ 199th  
Day

166 Days  
to come

Miscellaneous records tonight.

Started tonight to keep records of new items in the Check list which has been interviewed for this purpose.

Gardner reports Patchnose Mahogany Canyon  
8<sup>30</sup>-AM S.O.R.

---

Perkins and Shaw Trips.

Went to Grand Canyon then Kingman.

Drove around Kingman tonight. Started at 8:33 88°. Moon set at 9:10.

1 S.m. linearis DOR 2 mi. W. of Kingman

1 Spotted Nite 2 mi. NW. of Kingman DOR.

1 Geko COR 7 mi. NW of Kingman 10<sup>27</sup>, 86°

1 " COR 3 " " " 10<sup>40</sup>

1 S.m. linearis DOR 3 mi. NW of Kingman

Quit at 12<sup>06</sup> 74°

Miles today 410; night drive 61 miles,  
3 hrs; 33 minutes

WEDNESDAY, JULY 19, 1939

200th  
Day

165 Days  
to come

Called at Nat. Hist. this noon  
and checked on Beldenbach's work.

Expressed the Vernon paper to  
Stanford University Press and sent them  
a letter of instructions.

Cy. and Chuck got back from  
the Arizona trip tonight. Made a  
first class collection. Will require  
much writing up later.

---

Shaw and Perkins' trip.

1 P. d. perkinsi 5 mi. S.W. of Oatman <sup>Rodney</sup> BOR desert  
Returned to SD at 5 P.M.

Miles today 397

Total miles for the trip 2513

THURSDAY, JULY 20, 1939

✓ 201st  
Day

164 Days  
to come

Started for LA this morning at 6<sup>40</sup>  
and arrived at UCLA at 10<sup>05</sup>.

A foggy day early; later clear  
and warm.

Travelled too fast and may have  
missed some specimens so don't count  
mileage.

1 Cal King L DOR grass La Costa

1 Cal King L DOR " Agua

Good stripe - light below

1 Boyles King L DOR San Mateo

1 Oreganus S DOR San Clemente

Talked snakes and such like  
with Cowles. He has much wrapped  
up with temperature studies; and he  
and his students are doing much fine  
work. He is not interested in taxonomy.

I made notes on the UCLA collection.  
They keep only a few specimens of  
each species. I borrowed Trimorphodon,  
Rhinocheilus and a few Phyllorhynchus.

Left boots to be bound; then to  
RR Commission. Left there at 5 P.M.  
and got home at 8. Nothing seen but  
count no miles. Cowles told me  
St Walker was written by Cinecons and  
Chuck Bogert's brother by cerastes.  
Had a hard time.

FRIDAY, JULY 21, 1939

202nd  
Day

163 Days  
to come

Chas. Shaw worked today.

Called at zoo and nat. hist. this noon.

Company to dinner tonight.

Records from Nat. N. Dodge's Cards.

*Coleonyx variegatus* Coolidge.

*Heloderma suspectum* Sacaton

Casa Grande N.M.

Papago Reservation, near Sells  
(had eaten baby rabbit)

*Callisaurus v. ventralis*

Casa Grande, N.M.

*Pituophis sayi affinis*

" " "

*Crotalus atrox*

" " "

*Crotalus cerastes*

" " "

*Gopherus agassizii*

" " "

*Sonora occipitalis*

" " "

*Coluber piceus*

" " "

*Coluber f. lineatus*

" " "

*C. t. tessellatus*

" " "

Gardner reports small gopher DOR.  
Green Valley. Trees.

SATURDAY, JULY 22, 1939

203rd  
Day

162 Days  
to come

Chas Shaw worked today.

I worked all day and late into the evening on Rhinocheilus and made some good headway, but there is much to be done; much material should be accumulated.

SUNDAY, JULY 23, 1939

204th  
Day

7th Sunday after Trinity

161 Days  
to come

Chas Shaw worked today.

I worked on *Rhinocheilus*,  
*Phyllobranchius* and *Trimorphodon*  
and got something done on each. Reached  
a sort of impasse on *Rhinocheilus*.  
Out to lunch and dinner.



MONDAY, JULY 24, 1939

205th  
Day

*Pioneers' Day (Utah)*

160 Days  
to come

Nat. Hist. this morn. Musc. work tonight -  
trumpet etc.

TUESDAY, JULY 25, 1939

206th  
Day

*St. James*

159 Days  
to come

Walker returns from the Cedar trip.  
Out to dinner tonight

WEDNESDAY, JULY 26, 1939

207th  
Day

St. Anne

158 Days  
to come

Went to NH Mus, this noon.

Stewart Springer of Florida called this evening. Spent the evening discussing herpetology.

THURSDAY, JULY 27, 1939

208th  
Day

157 Days  
to come

Spent most of the evening  
examining the type of Garman's  
Rhinocheilus lecontei tessellatus  
and other miscellaneous work. Shaw  
worked today.

FRIDAY, JULY 28, 1939

209th  
Day

*World War Began 1914*

156 Days  
to come

*Company for dinner*

SATURDAY, JULY 29, 1939

✓ 210th  
Day

155 Days  
to come

Went to zoo and nat. hist. in the morning. Aside from this worked all day on the worm snake problems and made some progress. Trying to get ready to return specimens to the museums so Taylor can get them. This is a hard job. Wrote the description of the form from Watling Island.  
Shaw & Deuel worked today.

SUNDAY, JULY 30, 1939

V 211th  
Day

8th Sunday after Trinity

154 Days  
to come

Worked all <sup>day and</sup> evening on worm snakes.  
Made good headway lining things up  
for the future. Finished describing the  
three species.

MONDAY, JULY 31, 1939

212th  
Day

153 Days  
to come

Shaw worked today.

Miscellaneous notes tonight.

Salvadora records from Waldo G.  
Abbott from Santa Barbara Co  
Arroyo Burno trail, W of San Roque Canyon  
San Marcos Pass Road,  
There were photos to prove it.



TUESDAY, AUGUST 1, 1939

213th  
Day

152 Days  
to come

Very tired. Tonight - little done.

Shaw worked today.

WEDNESDAY, AUGUST 2, 1939

214th  
Day

151 Days  
to come

Shaw worked today  
a little work on worms snake  
descriptions tonight.

THURSDAY, AUGUST 3, 1939

215th  
Day

150 Days  
to come

Not much done tonight - too tired  
with labor negotiations.

Got back the first galley proof  
of the King snake paper.

1 Longnose Dr. Murphy Canyon. Bob Hoard.

FRIDAY, AUGUST 4, 1939

216th  
Day

149 Days  
to come

Got some worm snake done  
tonight.

Phaw worked today.

SATURDAY, AUGUST 5, 1939

217th  
Day

148 Days  
to come

Went to zoo and nat. hist. in the morning.

Worked all day and evening in the worm snakes, particularly the humilis group. Made good progress. Found the new species in Texas which will probably be called segrega

SUNDAY, AUGUST 6, 1939

✓ 218th  
Day

9th Sunday after Trinity  
Transfiguration

147 Days  
to come

Worked on worm snakes off and on all day. Didn't make quite as good progress as I had hoped. at least got the Mexican material mapped so that the picture is presented in greater clarity and the various problems are more definitely outlined.

Van Parkinson called today with his wife and some friends. Also Van a. Lyman of Panama called this evening and stayed two hours.

MONDAY, AUGUST 7, 1939

✓ 219th  
Day

146 Days  
to come

GW Danforth of Mapa called for  
a few moments this morning.

Lee Arnold returned from Tucson this  
noon. Brought a number of specimens.  
He reported that the large brownie that the  
ring-neck swallowed was 381 mm. overall.

TUESDAY, AUGUST 8, 1939

220th  
Day

145 Days  
to come

Nothing done tonight. Feeling  
very punk.

Second galley of King's snake  
paper received.



WEDNESDAY, AUGUST 9, 1939

221st  
Day

144 Days  
to come

Jim Danforth & Napa called tonight  
from 7<sup>15</sup> to 9-

THURSDAY, AUGUST 10, 1939

222nd  
Day

St. Lawrence

143 Days  
to come

Ontenburger called up today; met him at the Rotary Club then up to the zoo. Too busy for more contact today.

A little work on the worms tonight.

FRIDAY, AUGUST 11, 1939

223rd  
Day

142 Days  
to come

labor contract. finally agreed to.  
Out to dinner - tonight.

SATURDAY, AUGUST 12, 1939

✓ 224th  
Day

141 Days  
to come

Worked all day and evening  
on worm snakes and made some  
progress.

Timi Deuel worked today.

SUNDAY, AUGUST 13, 1939

✓ 225th  
Day

10th Sunday after Trinity

140 Days  
to come

Worked all day on the worm snakes  
and Tim Deuel did likewise. Made  
really good progress today.

MONDAY, AUGUST 14, 1939

226th  
Day

139 Days  
to come

Got a little miscellaneous  
work done tonight.

TUESDAY, AUGUST 15, 1939

227th  
Day

*Assumption B. V. Mary*  
*Panama Canal Opened 1914*

138 Days  
to come

Atontenburger, his wife, and child  
were at the house for dinner tonight.

WEDNESDAY, AUGUST 16, 1939

✓ 228th  
Day

*Bennington Battle Day (Vt.)*

137 Days  
to come

Tooted for any work tonight except to  
check up Biederlach's worm snake drawings.



THURSDAY, AUGUST 17, 1939

✓ 229th  
Day

136 Days  
to come

Got the proof of the paper on 3 new  
species of worm snakes today.

FRIDAY, AUGUST 18, 1939

✓ 230th  
Day

135 Days  
to come

Took proof of worm snake paper back to Dove and Robinson. Drawing went to Sunset Engraving.

This was Bilderbach's and Mrs. Leslie's last day with the W.P.A.

Called at the zoo this noon.

Out to dinner tonight. Nothing done.

SATURDAY, AUGUST 19, 1939

231st  
Day

134 Days  
to come

No worm snakes today; worked all day on miscellaneous clerical work, putting things away etc.

SUNDAY, AUGUST 20, 1939

✓ 232nd  
Day

11th Sunday after Trinity

133 Days  
to come

Worked on the worn snakes all day  
and made some real progress up  
to 4 PM when W A Bevan came and  
spent an hour. He had a snake  
venom project to suggest but completely  
out of my line.

Out to dinner tonight.

MONDAY, AUGUST 21, 1939

✓ 233rd  
Day

132 Days  
to come

Out to dinner tonight and then to  
the Reptile Club where Ontenburger  
gave a brief talk.

TUESDAY, AUGUST 22, 1939

✓ 234th  
Day

131 Days  
to come

Saw Mrs. Benchley today and  
got a final approval of the figures  
for the King's state paper.

Miscellaneous work tonight, including  
reading the page-proof of the King's state  
paper.

Shaw worked today - first day for  
two weeks.

WEDNESDAY, AUGUST 23, 1939

✓ 235th  
Day

130 Days  
to come

Shaw worked today. Now mostly  
scale counting.

Not much time tonight - too tired.

THURSDAY, AUGUST 24, 1939

236th  
Day

*St. Bartholomew*

129 Days  
to come

Done miscellaneous work tonight  
Finally found a bothersome mistake  
in some difference tests.

Shaw worked today.



FRIDAY, AUGUST 25, 1939

237th  
Day

128 Days  
to come

Nothing done tonight - too tired.

SATURDAY, AUGUST 26, 1939

238th  
Day

127 Days  
to come

✓ Saw a garter snake this morning which seemed to have been killed by a large water snail.

Worked all day on miscellaneous filing etc and made good progress. Too much European excitement to buckle down to writing requiring calculations.

Movie in the evening.

Both Jim and Chas worked today.

SUNDAY, AUGUST 27, 1939

239th  
Day

12th Sunday after Trinity

126 Days  
to come

Miscellaneous work all <sup>day and</sup> evening;  
got a few necessary things <sup>a</sup> done.  
Too much European excitement to buckle  
down to an orderly program  
Jim and Chuck worked today.

MONDAY, AUGUST 28, 1939

240th  
Day

St. Augustine

125 Days  
to come

Shaw worked today.

Nothing done tonight.

Received the first copies of the  
long section of the statistical paper. It  
turned out ok except 2 or 3 figures  
are too small.

TUESDAY, AUGUST 29, 1939

241st  
Day

124 Days  
to come

Wakened at 4<sup>10</sup> AM with a telegram from  
gg in London. No sleep thereafter.  
Called at the Zoo this noon.

WEDNESDAY, AUGUST 30, 1939

242nd  
Day

123 Days  
to come

Worked on statistical mathematics  
and forms tonight.

THURSDAY, AUGUST 31, 1939

243rd  
Day

122 Days  
to come

Miscellaneous work tonight, getting  
ready for northern trip.  
Shaw worked today.

FRIDAY, SEPTEMBER 1, 1939

244th  
Day

121 Days  
to come

Started for San Francisco by train  
at 4:15.



SATURDAY, SEPTEMBER 2, 1939

245th  
Day

120 Days  
to come

Spent the day at MVZ from 10<sup>30</sup> to 5<sup>30</sup>. Met Rodgers, Benson, Hall, Maslin, Tillotson. Made a list of new specimens. Worked on Rhinoscheilus and Leptotyphlops.

Interesting specimens

- 26648 *H. roseofusca* Mitchell's caverns  
Providence Mts, S.B. Co
- 28202 *H. ochrorhynchus*, Black Hills,  
1900 ft., 4 mi. SSE of Mt. Diablo.

SUNDAY, SEPTEMBER 3, 1939

~ 246th  
Day

13th Sunday after Trinity

119 Days  
to come

Worked at MVZ from 8<sup>30</sup> to 5<sup>00</sup>.  
Cleared up the 5 genera on which I  
am now working with the exception  
of Arizona. Spent most time on  
Rhinocheilus.

MONDAY, SEPTEMBER 4, 1939

247th  
Day

Labor Day

118 Days  
to come

Couldn't get in the Academy today  
so worked in the hotel on statistical  
matters, particularly cumulative  
differences between species premised on  
several different characters. Really  
made some headway.

lunched with Phil and Dennis at  
the Wormsers.

TUESDAY, SEPTEMBER 5, 1939

248th  
Day

117 Days  
to come

Busy with RR Commission  
matters all day. at gas  
convention part of the afternoon.

WEDNESDAY, SEPTEMBER 6, 1939

249th  
Day

116 Days  
to come

At the Gas Convention part of the  
day. Worked the technical bookstores.  
Directors meeting in the evening  
(gas Assn).

THURSDAY, SEPTEMBER 7, 1939

✓ 250th  
Day

115 Days  
to come

RR Commission in the morning.  
CAS in the afternoon. Finished  
Rhinoceros.

Went to Standard Symphony  
broadcast in the evening.

FRIDAY, SEPTEMBER 8, 1939

251st  
Day

114 Days  
to come

Went down to Stanford in the morning. Myers had gone east to the I & H Convention. Had some difficulty getting in. Finally did and cleared up the 5 genera. They didn't have much. Drove back via the Skyline Boulevard. Several yearling gophers were seen DOB around the campus. Left on the Sunset at 8.

SATURDAY, SEPTEMBER 9, 1939

252nd  
Day

Admission Day (Calif., 1850)

113 Days  
to come

Called for my books at the Hub  
Art Binding between trains.

Home at 1 P.M. Worked all  
afternoon and evening catching  
up.

Chas. Shaw worked today.

A humid day with rain in the  
afternoon and evening.



SUNDAY, SEPTEMBER 10, 1939

253rd  
Day

14th Sunday after Trinity

112 Days  
to come

Shaw worked today.  
Worked all day clearing up  
miscellaneous items and made good  
headway.

MONDAY, SEPTEMBER 11, 1939

254th  
Day

111 Days  
to come

Very tired tonight. Nothing done  
but reading.

Cannon gave me a young cal. King  
from El Cajon (striped)

TUESDAY, SEPTEMBER 12, 1939

255th  
Day

*Old Defenders Day (Baltimore, Md.)*

110 Days  
to come

Jim Deuel worked a short time this evening.

Nothing done tonight - too tired.

Someone drove out to Bensons tonight for Perkins. Saw only 4 geckos & a calley.

El Cajon Retary 30 miles. nothing seen.

WEDNESDAY, SEPTEMBER 13, 1939

256th  
Day

109 Days  
to come

Jim Deuel worked a short time.  
Out to dinner and a movie tonight

THURSDAY, SEPTEMBER 14, 1939

257th  
Day

*Star Spangled Banner—Music Composed 1770-1775*  
*Words Composed Sept. 14, 1814—Jewish New Year*

108 Days  
to come

Jim Deuel worked on USNM worm snakes tonight.

Got some miscellaneous work done.

FRIDAY, SEPTEMBER 15, 1939

258th  
Day

*Jewish New Year*

107 Days  
to come

Devel worked today.  
Out to dinner tonight .

SATURDAY, SEPTEMBER 16, 1939

259th  
Day

106 Days  
to come

Both Shaw and Deuel worked today.  
While I worked all day and evening  
I didn't accomplish very much. A  
hot day with very disturbing foreign  
news.

SUNDAY, SEPTEMBER 17, 1939

260th  
Day

15th Sunday after Trinity  
U. S. Constitution Adopted 1787

105 Days  
to come

Worked all day on worm snakes,  
particularly writing up species  
descriptions. Did better than yesterday.



MONDAY, SEPTEMBER 18, 1939

261st  
Day

104 Days  
to come

Very hot today

Went to reptile club tonight. No  
program and nothing done.

TUESDAY, SEPTEMBER 19, 1939

262nd  
Day

103 Days  
to come

A little work done tonight.  
Too hot and tried to do much.

Violent electrical storm from  
10<sup>10</sup> to 10<sup>30</sup>. Down at headquarters  
from 11 until 1 AM.

WEDNESDAY, SEPTEMBER 20, 1939

263rd  
Day

*Ember Day*

102 Days  
to come

Still very hot and sultry. Left  
for San Francisco on the afternoon  
train.

THURSDAY, SEPTEMBER 21, 1939

264th  
Day

*St. Matthew*

101 Days  
to come

In San Francisco ; business  
meetings all day.

FRIDAY, SEPTEMBER 22, 1939

265th  
Day

*Ember Day*

100 Days  
to come

Met Alice who arrived on the  
Challenger at 8<sup>30</sup>. Went over to MVZ  
and worked until 3. Too hot to get  
much done.

SATURDAY, SEPTEMBER 23, 1939

266th  
Day

*Day of Atonement*  
*1st Day of Autumn—Ember Day*

99 Days  
to come

In San Francisco. Started home  
on the Sunset at 8. Still hot.

SUNDAY, SEPTEMBER 24, 1939

267th  
Day

16th Sunday after Trinity—Standard Time Begins

98 Days  
to come

Arrived home at noon. A bad  
windstorm blowing. Spent the afternoon  
and evening catching up.

MONDAY, SEPTEMBER 25, 1939

268th  
Day

97 Days  
to come

Out to dinner tonight.



TUESDAY, SEPTEMBER 26, 1939

269th  
Day

96 Days  
to come

Miscellaneous catching up tonight.

Richard Donn reports a DOR Garter  
at Murray Dam.

El Cajon Rotary - 30 miles nothing  
seen

WEDNESDAY, SEPTEMBER 27, 1939

270th  
Day

95 Days  
to come

Worked on mathematical statistics  
a little - too tired to do much.

THURSDAY, SEPTEMBER 28, 1939

✓ 271st  
Day

94 Days  
to come

Recd the finished King Snake paper today.

Worked this evening on statistics; am formulating a sort of reference book of formulas, equations, and methods of my own to avoid continually going back over the same ground as I forget what I have done before.

FRIDAY, SEPTEMBER 29, 1939

272nd  
Day

*St. Michael and All Angels*  
(Michaelmas Day)

93 Days  
to come

Still working on statistics tonight.

SATURDAY, SEPTEMBER 30, 1939

¥ 273rd  
Day

92 Days  
to come

Worked on a sort of handbook of statistics all day and evening and made good progress.

Shaw worked today.

SUNDAY, OCTOBER 1, 1939

274th  
Day

17th Sunday after Trinity  
Missouri Day (Mo.)

91 Days  
to come

Completed the handbook of statistics  
and returned to the worm snakes.

Left for Los Angeles on the evening  
train.

Shaw worked today.

MONDAY, OCTOBER 2, 1939

275th  
Day

90 Days  
to come

In Los Angeles on business. Returned  
to SD on the evening train.

TUESDAY, OCTOBER 3, 1939

276th  
Day

89 Days  
to come

Out to dinner tonight .



WEDNESDAY, OCTOBER 4, 1939

277th  
Day

*St. Francis of Assisi*

88 Days  
to come

Miscellaneous filing tonight.

THURSDAY, OCTOBER 5, 1939

278th  
Day

87 Days  
to come

Statistical studies tonight .

FRIDAY, OCTOBER 6, 1939

279th  
Day

86 Days  
to come

Saw Perkins re his key this AM.  
Accounts in the evening.

SATURDAY, OCTOBER 7, 1939

280th  
Day

85 Days  
to come

Worked all day and evening on the worm snake paper and made some real progress. Finished the species descriptions of ~~the~~ the humilis group. Can begin to see daylight.

SUNDAY, OCTOBER 8, 1939

✓ 281st  
Day

18th Sunday after Trinity

84 Days  
to come

Worked all day and evening  
(except lunch) on the worm snakes  
and made good progress. 8 out of  
10 subspecies now described.

Deuel worked awhile this afternoon.

MONDAY, OCTOBER 9, 1939

282nd  
Day

83 Days  
to come

Read and corrected again the  
worm snake species write-ups.

TUESDAY, OCTOBER 10, 1939

283rd  
Day

82 Days  
to come

Miscellaneous work tonight.

WEDNESDAY, OCTOBER 11, 1939

284th  
Day

81 Days  
to come

Out to dinner tonight.  
Deuel worked this afternoon.



THURSDAY, OCTOBER 12, 1939

285th  
Day

*Columbus Discovered America 1492*

80 Days  
to come

Very hot today. Feeling punk.  
Devel worked this evening.

FRIDAY, OCTOBER 13, 1939

✓ 286th  
Day

79 Days  
to come

Got some preliminary work  
done on myopia.

SATURDAY, OCTOBER 14, 1939

287th  
Day

78 Days  
to come

Worked all day and evening on  
myopica and made good headway  
Reuel worked all day and evening  
Lucile Waddell brought a young  
King snake. Caught in Mission Hills.

SUNDAY, OCTOBER 15, 1939

288th  
Day

19th Sunday after Trinity

77 Days  
to come

Deuel and Shaw worked all day.

I worked all day and evening on the worm snake paper and made good progress. It is now practically finished except the field notes and a few other of the smaller topics. Can't go much further until I hear from Shreve at MCZ.

MONDAY, OCTOBER 16, 1939

289th  
Day

*U. S. Mint Established 1786*

76 Days  
to come

Went to reptile club tonight. No  
forum - no meeting.

TUESDAY, OCTOBER 17, 1939

290th  
Day

75 Days  
to come

Worked on worm snake synonymies  
tonight.

WEDNESDAY, OCTOBER 18, 1939

291st  
Day

*St. Luke*

74 Days  
to come

Warm snakes tonight .

THURSDAY, OCTOBER 19, 1939

292nd  
Day

73 Days  
to come

Out to dinner tonight  
Jim worked this evening



FRIDAY, OCTOBER 20, 1939

293rd  
Day

72 Days  
to come

A little work on the worm snake  
paper tonight.

SATURDAY, OCTOBER 21, 1939

✓ 294th  
Day

71 Days  
to come

Worked all day and evening  
on the worm snake paper. It's  
getting fairly well wound up.  
Chas Shaw worked all day.

SUNDAY, OCTOBER 22, 1939

✓ 295th  
Day

20th Sunday after Trinity

70 Days  
to come

Chas worked counting scales today.  
Finished the worm snake paper as  
far as I can go until I get the  
MCZ counts.

MONDAY, OCTOBER 23, 1939

296th  
Day

69 Days  
to come

Worked a little on worm snake  
paper. Got 2 interesting tenificus  
from Carnegie. Got out racers for  
Wylie.

TUESDAY, OCTOBER 24, 1939

297th  
Day

68 Days  
to come

Out to dinner Tonight  
Chas worked today.

Field notes by Gander:

At about 11<sup>30</sup> a.m. I got out of my car on the Lyons Valley road near where it intersects the boundary of the Cleveland National Forest and walked a few steps to a shallow stream bed. There I started a striped racer which rushed up the low bank into the branches of a live oak; then quickly wound its way to the top, about 30 ft. up. Half an hour later and about a mile farther along on the road toward Barrett, I saw another striped racer on the road ahead. I drove up and stopped alongside, then opened the car door and stuck out one foot and put it on the racer's tail. He flattened himself (perhaps she) to the ground but made no other move until I reached down and picked it up. The snake made no attempt to bite and was rather calm for a racer. The snakes were about the same size, near three feet somewhere.

WEDNESDAY, OCTOBER 25, 1939

298th  
Day

67 Days  
to come

Getting ready for an eastern trip tonight.

THURSDAY, OCTOBER 26, 1939

299th  
Day

66 Days  
to come

Left for Chicago on the morning train.  
Worked on the worm snake paper enroute.

FRIDAY, OCTOBER 27, 1939

300th  
Day

*Theodore Roosevelt—Born 1858*

65 Days  
to come

Enroute to Chicago. Worked a little on  
the worm snake paper



SATURDAY, OCTOBER 28, 1939

301st  
Day

*St. Simon and St. Jude*

64 Days  
to come

Arrived in Chicago at noon. Went to  
movie with Gg in the afternoon. Out  
visiting in the evening.

SUNDAY, OCTOBER 29, 1939

302nd  
Day

21st Sunday after Trinity

63 Days  
to come

Left GfY at the train at noon. Spent the afternoon and evening at the Chicago Academy talking over miscellaneous herpetological matters with Gloyd and Necker. Out to Supper. Checked over new acquisitions. Quit at 9<sup>30</sup>

MONDAY, OCTOBER 30, 1939

303rd  
Day

62 Days  
to come

In Chicago on business.

Conant, Schroeder, Perkins, and Shaw  
made a trip to Borego tonight.

Sentnec Bridge at	5 <sup>50</sup>	70° F
Gecko Sentnec Bridge	5 <sup>55</sup>	70° F
" 4 mi E. of The Narrows	7 <sup>16</sup>	73° F
" 3 " W " Bensons	7 <sup>30</sup>	71° F
Turned at Bensons at	8 <sup>00</sup>	71° F
Gecko 1/2 mi W. of Bensons	8 <sup>02</sup>	71° F
" 1 1/2 " " " "	8 <sup>08</sup>	71° F
" 2 " " " "	8 <sup>10</sup>	71° F
Reached The Narrows	8 <sup>42</sup>	71° F
Sentnec Bridge	9 <sup>21</sup>	60° F

30 miles.

TUESDAY, OCTOBER 31, 1939

304th  
Day

*Hallowe'en — Reformation Day*

61 Days  
to come

In Chicago on business.  
Out to Uhles for supper.

WEDNESDAY, NOVEMBER 1, 1939

305th  
Day

*All Saints' Day*

60 Days  
to come

In Chicago on business. Bad cold.  
Called up Gloyd in the evening. His  
daughter had just been born.

THURSDAY, NOVEMBER 2, 1939

306th  
Day

*All Souls' Day*

59 Days  
to come

Business in the morning  
left for home at noon.

FRIDAY, NOVEMBER 3, 1939

307th  
Day

58 Days  
to come

Enroute home from Chicago. Not  
feeling well enough to work.

SATURDAY, NOVEMBER 4, 1939

308th  
Day

57 Days  
to come

Arrived home at 3<sup>15</sup>. Worked in  
the afternoon and evening catching  
up. Chas. Shaw worked today.



SUNDAY, NOVEMBER 5, 1939

309th  
Day

22nd Sunday after Trinity

56 Days  
to come

Worked all day catching up, and  
late into the evening.

MONDAY, NOVEMBER 6, 1939

310th  
Day

55 Days  
to come

Nothing done tonight .

TUESDAY, NOVEMBER 7, 1939

311th  
Day

*Election Day*

54 Days  
to come

Miscellaneous work on the wormsrate  
paper tonight.

Went to El Cajon Rotary today.

30 miles. Clear and warm

1 Gopher Twp. DoR Fletcher Hills. Grass.

WEDNESDAY, NOVEMBER 8, 1939

312th  
Day

53 Days  
to come

Too tired to do much tonight.

THURSDAY, NOVEMBER 9, 1939

313th  
Day

52 Days  
to come

out to dinner

FRIDAY, NOVEMBER 10, 1939

314th  
Day

*Martin Luther—Born 1483*

51 Days  
to come

Movie tonight.  
Jim worked tonight.

SATURDAY, NOVEMBER 11, 1939

315th  
Day

*Armistice Day*

50 Days  
to come

Both Jim and Chas. worked  
today.

Worked hard all day on  
miscellaneous clerical work and  
got things in pretty good shape.

SUNDAY, NOVEMBER 12, 1939

✓ 316th  
Day

23rd Sunday after Trinity

49 Days  
to come

Worked all day on the worm snake paper with rather disappointing progress. Finally decided to separate myopicius from dissectus. The revision involved was complicated and went slowly. Didn't finish it by any means.



MONDAY, NOVEMBER 13, 1939

✓ 317th  
Day

48 Days  
to come

Drove up to Los Angeles today on business. Started at 6<sup>15</sup> and arrived at 9<sup>30</sup>. Clear and cool. Nothing seen.

Saw Ray Cowles for a short time in the afternoon. He is much interested in Nina.

Returned in the evening.

TUESDAY, NOVEMBER 14, 1939

318th  
Day

47 Days  
to come

Out to dinner tonight  
Mrs. Hsieh started work again.

WEDNESDAY, NOVEMBER 15, 1939

319th  
Day

46 Days  
to come

left for San Francisco on the 4<sup>15</sup>  
train.

THURSDAY, NOVEMBER 16, 1939

320th  
Day

45 Days  
to come

In San Francisco.

Called on Slevin at the Academy late in the afternoon. Discussed his Panama trip. Tallotson was there working on utas.

Called on Bilderbach but he was out. Talked to his mother.

FRIDAY, NOVEMBER 17, 1939

321st  
Day

44 Days  
to come

In San Francisco all day. on business.  
left on the Sunset

SATURDAY, NOVEMBER 18, 1939

322nd  
Day

43 Days  
to come

Arrived home at noon.

Spent the afternoon and  
evening catching up.

Deuel and Shaw worked today.

SUNDAY, NOVEMBER 19, 1939

✓ 323rd  
Day

24th Sunday after Trinity

42 Days  
to come

Worked this morning on worm snakes;  
finished as far as I could until  
I get the two USNM specimens of tenuiculus.  
Worked on statistical forms this afternoon.

MONDAY, NOVEMBER 20, 1939

324th  
Day

41 Days  
to come

Went to the reptile club tonight.  
It was decided to carry on.  
Iris Devel reported that Anniella  
were found plentiful on Coronado Heights  
last week under bushes.



TUESDAY, NOVEMBER 21, 1939

325th  
Day

Presentation B. V. Mary

40 Days  
to come

Went to El Cajon Rotary today. Via  
Coronado and the Strand. Warm day.  
50 miles. Nothing seen.

Worked on Trimorphus statistics tonight.

WEDNESDAY, NOVEMBER 22, 1939

326th  
Day

39 Days  
to come

Worked on Trimorphodon statistics  
tonight.

THURSDAY, NOVEMBER 23, 1939

327th  
Day

38 Days  
to come

Spent a little time between two Thanksgiving dinners getting worm-snakes assorted for their return. Got a little done on Trimorphodon.

FRIDAY, NOVEMBER 24, 1939

328th  
Day

37 Days  
to come

Started for Palo Alto at 7<sup>25</sup> AM.  
Nothing seen. A cool day. Arrived  
at Palo Alto at 7<sup>00</sup>. 504 miles. Went to  
a movie at Redwood City.

SATURDAY, NOVEMBER 25, 1939

329th  
Day

36 Days  
to come

Saw Geo. Myers at Stanford this morning 10 to 11<sup>15</sup>. Talked over music problems including Hawken & Regency in Hypsigena.

Went to the game in the afternoon. Drove to Fresno after the game arriving at 8<sup>45</sup>. A cold rainy evening.

SUNDAY, NOVEMBER 26, 1939

330th  
Day

Sunday Next Before Advent

35 Days  
to come

Drove home. Started at 7<sup>55</sup>;  
arrived at 4. Total miles 1048.  
Saw at least 1 dead snake but  
couldn't stop, so can't count the  
mileage.

Chas. Shaw worked yesterday  
and today.

Recd a large box from  
Earl Warren, taken at Lake Hodges

MONDAY, NOVEMBER 27, 1939

331st  
Day

34 Days  
to come

A little statistical work tonight.

TUESDAY, NOVEMBER 28, 1939

332nd  
Day

*First Post Office in New York 1783*

33 Days  
to come

left the worm snake paper  
with Cy today.

a little statistical work tonight



WEDNESDAY, NOVEMBER 29, 1939

333rd  
Day

32 Days  
to come

Out to dinner.

THURSDAY, NOVEMBER 30, 1939

334th  
Day

*St. Andrew*  
*Thanksgiving Day*

31 Days  
to come

Out to dinner

FRIDAY, DECEMBER 1, 1939

335th  
Day

30 Days  
to come

Accounts and other miscellaneous  
work

SATURDAY, DECEMBER 2, 1939

✓ 336th  
Day

*Monroe Doctrine Declared 1823*

29 Days  
to come

Worked all day and evening on miscellaneous recording and filing, especially clearing up worm snakes. Checked proof of segregus paper. Went over the worm snake paper with Perkins.

SUNDAY, DECEMBER 3, 1939

✓337th  
Day

1st Sunday in Advent—St. Francis Xavier

28 Days  
to come

Chas. and Jim worked all day.  
Took much material over to Wylie.  
Put a lot of specimens away. Finished  
counting all 1939 snakes of those we  
usually count.

Worked all day and evening on  
various items. Got a good start on  
Trimorphodon at last.

MONDAY, DECEMBER 4, 1939

338th  
Day

27 Days  
to come

Tried tonight. a little miscellaneous  
work done.

TUESDAY, DECEMBER 5, 1939

339th  
Day

26 Days  
to come

a little misc. work night.

WEDNESDAY, DECEMBER 6, 1939

340th  
Day

25 Days  
to come

Out to dinner tonight.  
Jim worked today.



THURSDAY, DECEMBER 7, 1939

341st  
Day

24 Days  
to come

Drove to Los Angeles on business with Gg. Started at 8 AM and returned at 6<sup>30</sup> PM. Can't be counted as the road wasn't watched all the way.

FRIDAY, DECEMBER 8, 1939

342nd  
Day

*Immaculate Conception*

23 Days  
to come

Out to dinner tonight.

SATURDAY, DECEMBER 9, 1939

343rd  
Day

22 Days  
to come

Miscellaneous work all day. Not  
very efficient. Too tired from last night.  
Chas. Shaw worked today; cleaning  
up and putting specimens away.

SUNDAY, DECEMBER 10, 1939

344th  
Day

2nd Sunday in Advent

21 Days  
to come

Shaw and Deuel worked today;  
put specimens away. Took many  
over to the museum.

Worked all day on Trimorphodon.  
Some progress on statistics but  
not very much.

MONDAY, DECEMBER 11, 1939

345th  
Day

20 Days  
to come

Out to a movie tonight

TUESDAY, DECEMBER 12, 1939

346th  
Day

19 Days  
to come

Nothing done tonight

WEDNESDAY, DECEMBER 13, 1939

347th  
Day

18 Days  
to come

Special dinner tonight.

THURSDAY, DECEMBER 14, 1939

348th  
Day

17 Days  
to come

A little statistical work tonight.  
Jim worked today.



FRIDAY, DECEMBER 15, 1939

✓ 349th  
Day

16 Days  
to come

Out to dinner tonight.

Akkott agreed to publish the  
worm snake paper at once

SATURDAY, DECEMBER 16, 1939

350th  
Day

15 Days  
to come

Worked all day putting the final touches on the worm snake paper using the final data on tenuiculus

SUNDAY, DECEMBER 17, 1939

351st  
Day

3rd Sunday in Advent

14 Days  
to come

Deuel worked today - putting  
specimens away etc.

Worked all morning on a t-curve  
to aid in future computations.  
Out to lunch. More work on curves.

MONDAY, DECEMBER 18, 1939

352nd  
Day

13 Days  
to come

Out to dinner tonight.

TUESDAY, DECEMBER 19, 1939

353rd  
Day

12 Days  
to come

Out to dinner tonight.

WEDNESDAY, DECEMBER 20, 1939

354th  
Day

*Ember Day*

11 Days  
to come

Xmas preparations tonight.

THURSDAY, DECEMBER 21, 1939

355th  
Day

St. Thomas  
*Pilgrims Landed Plymouth Rock 1620*

10 Days  
to come

Dinner tonight.

FRIDAY, DECEMBER 22, 1939

356th  
Day

*Ember Day*  
*First Day of Winter*

9 Days  
to come

Thinking over the coefficient of  
divergence ~~and~~ or difference.



SATURDAY, DECEMBER 23, 1939

✓ 357th  
Day

Ember Day

8 Days  
to come

Miscellaneous items this morning.  
Worked on the worm snake table in  
the ~~cat~~ afternoon.

SUNDAY, DECEMBER 24, 1939

✓ 358th  
Day

7 Days  
to come

A little work on Trimorphodon  
today. Finished the locality records.  
Didn't make as much progress as I  
had hoped.

MONDAY, DECEMBER 25, 1939

359th  
Day

*Christmas Day*

6 Days  
to come

Xmas festivities almost all day  
and evening.

TUESDAY, DECEMBER 26, 1939

✓ 360th  
Day

*St. Stephen*  
*Washington Crossed Delaware 1776*

5 Days  
to come

nothing but reading tonight.

WEDNESDAY, DECEMBER 27, 1939

361st  
Day

St. John Evangelist

4 Days  
to come

Went to a Reptile Club talk by  
L W Arnold on Tucson Reptiles. Very  
good. Showed a fine picture of a  
young scute choked to death on a  
P. solare.

Sharr worked today at the museum

THURSDAY, DECEMBER 28, 1939

362nd  
Day

*Holy Innocents*

3 Days  
to come

Miscellaneous work tonight.

FRIDAY, DECEMBER 29, 1939

363rd  
Day

2 Days  
to come

Shaw worked today.  
Party tonight.

SATURDAY, DECEMBER 30, 1939

364th  
Day

1 Day  
to come

Miscellaneous work in the morning.  
Trimorphodon in the afternoon and  
evening and made some progress -  
not as good as I had hoped.

Atran got a button baby  
Sedgewick 10 mi. S. of Coyote Wells  
at 10<sup>15</sup> AM today



SUNDAY, DECEMBER 31, 1939

✓ 365th  
Day

1st Sunday after Christmas

Worked all day on *Trimorphodon* and made some headway on the description of *Vandenburghi*. May pull out of this slump yet.

Party tonight; up until 2.

Gopher Snake Locality Zo. list

Palma Verde Hills, L.A.C.

# MEMORANDA

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# MEMORANDA

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# MEMORANDA

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# MEMORANDA

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## JANUARY

## FEBRUARY

# MARCH

Date

CASH

Rec'd

Paid



APRIL

[illegible]

MAY

Date

CASH

Rec'd

Paid

JUNE

# JULY

Date

CASH

Rec'd

Paid



SEPTEMBER

Date	CASH	Rec'd	Paid
------	------	-------	------

## OCTOBER

## NOVEMBER

Paid



# DECEMBER

# RECAPITULATION

	Rec'd	Paid
Cash on Hand Jan. 1		
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
Total		
Balance to New Account		

# RAILWAY EXPRESS DATA

- First Class**      General merchandise—Rates vary according to weight and distance carried.
- Second Class**    Articles of Food and Drink with limitations, also seeds, roots, grains, etc. Rates 25% less than First Class.
- Third Class**      Books, Advertising Printed Matter, Printed Cards, Pamphlets, Calendars, etc. . Each Package should be marked to indicate contents. Value limited to \$10.00. Rate 1c. for each 2 oz. or fraction thereof. Minimum charge 15c.

Special Express Rates are available for certain classes of merchandise. A special rate for advertising matter, with a minimum charge of 25c. and point to point commodity rates are available. Such information may be obtained from any Express Office.

All Rates and Charges include Collection and Delivery in cities and principal towns. Packages may be left at Western Union Offices, or will be called for by Western Union messengers, without extra charge.

Regular Express charges include insurance up to \$50.00 on each shipment of 100 lbs. or less, and 50c. per lb. where shipments weigh over 100 lbs. Additional insurance may be obtained at 10c. per \$100.00 or fraction thereof.

Charges may be prepaid by shipper or collected from consignee.

Air Express service is operated in co-operation with Rail Express. Shipments for transportation by air are accepted under the same general terms and conditions. Shipments of unusual bulk or weight (over 200 lbs.) are not accepted for transportation by air, except by advance arrangement. Practically all classes of matter can be handled by air express, except live creatures, and inflammables.

# POSTAGE RATES

*Subject to Change; Consult Postmaster*

**AIR MAIL:** 6c. for first oz.  
6c. for each additional oz. or fraction.

**FIRST CLASS:** Written matter and matter sealed against inspection.

**LETTERS:**.....3c an ounce or fraction except for local delivery which is 2c “ “ “  
**POST CARDS** (Private Mailing) 1c. each.  
**POSTAL CARDS** (Government) 1c. each.

**SECOND CLASS:** Full copies of newspapers, magazines and periodicals. (May be sent Parcel Post if cheaper)

**DOMESTIC**.....1c. for ea. 2 oz. or fraction.  
**FOREIGN**..... $\frac{1}{2}$ c. “ “ “ “

**THIRD CLASS:** Merchandise and printed matter weighing 8 oz. or less.

$\frac{1}{2}$ c. for each 2 oz. or fraction.  
(Special rate of 1c. for each 2 oz. or fraction for printed books and catalogs of 24 pages or more.)

**FOURTH CLASS:** (Parcel Post) covers matter weighing over 8oz. (except 1st and 2nd class). Zone rates apply.

**SPECIAL HANDLING** provides a means for securing same fast transit and delivery on fourth class parcels as is accorded letter mail.

If ordinary postage stamps are used, packages must be endorsed: “SPECIAL HANDLING”.

**Additional Fee**  
2 lbs. or less.....10c.  
over 2 lbs. and up to 10 lbs.....15c.  
over 10 lbs.....20c.

## SPECIAL DELIVERY

### FIRST CLASS

**Additional Fee**  
up to 2 lbs.....10c.  
over 2 lbs. and up to 10 lbs.....20c.  
over 10 lbs.....25c.

### OTHER CLASSES (including special handling)

up to 2 lbs.....15c.  
over 2 lbs. and up to 10 lbs.....25c.  
over 10 lbs.....35c.

If ordinary postage stamps are used, package or letter must be endorsed: “SPECIAL DELIVERY”

### REGISTRY MAIL, FIRST CLASS (Sealed)

Indemnity	Fee	Indemnity	Fee
Up to \$ 5.....	15c.	\$300—\$400.....	60c.
\$5—25.....	18c.	400—500.....	70c.
25—50.....	20c.	500—600.....	80c.
50—75.....	25c.	600—700.....	85c.
75—100.....	30c.	700—800.....	90c.
100—200.....	40c.	800—900.....	95c.
200—300.....	50c.	900—1000.....	1.00

Articles not registered full value are surcharged at a special rate according to their value.

## INSURANCE (3rd and 4th Class only)

Value	Fee	Value	Fee
Up to \$5.....	5c.	\$50—\$100.....	25c.
5—25.....	10c.	100—150.....	30c.
25—50.....	15c.	150—200.....	35c.

**RETURN RECEIPTS:** for Insured or Registered Mail Domestic 3c. each. Foreign 5c. each.

**COLLECT ON DELIVERY MAIL** (Fee includes insurance)

Up to \$5.....	12c.	\$50—\$100.....	32c.
5—25.....	17c.	100—150.....	40c.
25—50.....	22c.	150—200.....	45c.

## SEALED PACKAGES

Third and fourth class matter may be closed against inspection when wrapper bears authorized printed indicia. If sealed without indicia, parcels are subject to first class rate.

## SIZE OF PARCEL POST PACKAGES

Parcels must not exceed 100 inches in length and girth combined. For parcels measuring more than 84 inches but not more than 100 inches in length and girth combined, the minimum charge shall be the rate for a 10 pound parcel. The maximum weight limit is 70 pounds to all zones.

## FEES FOR MONEY ORDERS

Under \$2.50.....	2 cents
Over 2.50 and not over.....	\$5.00..... 8 “
“ 5.00 “ “ “.....	10.00..... 11 “
“ 10.00 “ “ “.....	20.00..... 13 “
“ 20.00 “ “ “.....	40.00..... 15 “
“ 40.00 “ “ “.....	60.00..... 18 “
“ 60.00 “ “ “.....	80.00..... 20 “
“ 80.00 “ “ “.....	100.00..... 22 “

No money order issued for more than \$100

## REFORWARDING

Letters, post cards and other first class mail may be reforwarded without extra postage. Other matter requires a new prepayment of postage.

## FOREIGN

Letter postage for all foreign countries in the following list is 3c. per oz.; Argentina, Bolivia, Brazil, Canada, Chile, Columbia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras, Mexico, Newfoundland, Nicaragua, Panama, Paraguay, Peru, Salvador, Spain and Colonies, Uruguay and Venezuela.

The letter rate to all foreign countries not in the above list is 5c. for the first oz. or fraction, and 3c. for each additional oz. or fraction. This includes the following: Bahamas, Barbados, Bermuda, British Guiana, British Honduras, Cayman Islands, Cook Islands, Europe, New Zealand, Tobago, Trinidad, and Windward Islands.

## REGISTRY

For all foreign letters, 15c. in addition to postage. For rates on other classes of foreign mail, inquire at post office.

# COUNTING HOUSE CALENDAR 1940

	Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.		Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
JAN.	..	1	2	3	4	5	6	JULY	..	1	2	3	4	5	6
	7	8	9	10	11	12	13		7	8	9	10	11	12	13
	14	15	16	17	18	19	20		14	15	16	17	18	19	20
	21	22	23	24	25	26	27		21	22	23	24	25	26	27
	28	29	30	31	..	..	..		28	29	30	31	..	..	..
FEB.	..	..	..	..	1	2	3	AUG.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10		4	5	6	7	8	9	10
	11	12	13	14	15	16	17		11	12	13	14	15	16	17
	18	19	20	21	22	23	24		18	19	20	21	22	23	24
	25	26	27	28	29	..	..		25	26	27	28	29	30	31
MAR	..	..	..	..	..	1	2	SEPT.	..	..	..	..	..	..	..
	3	4	5	6	7	8	9		1	2	3	4	5	6	7
	10	11	12	13	14	15	16		8	9	10	11	12	13	14
	17	18	19	20	21	22	23		15	16	17	18	19	20	21
	24	25	26	27	28	29	30		22	23	24	25	26	27	28
	31	..	..	..	..	..	..		29	30	..	..	..	..	..
APRIL	..	1	2	3	4	5	6	OCT.	..	..	1	2	3	4	5
	7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	..	..	..	..		27	28	29	30	31	..	..
MAY	..	..	..	1	2	3	4	NOV.	..	..	..	..	..	1	2
	5	6	7	8	9	10	11		3	4	5	6	7	8	9
	12	13	14	15	16	17	18		10	11	12	13	14	15	16
	19	20	21	22	23	24	25		17	18	19	20	21	22	23
	26	27	28	29	30	31	..		24	25	26	27	28	29	30
JUNE	..	..	..	..	..	..	1	DEC.	..	..	..	..	..	..	..
	2	3	4	5	6	7	8		1	2	3	4	5	6	7
	9	10	11	12	13	14	15		8	9	10	11	12	13	14
	16	17	18	19	20	21	22		15	16	17	18	19	20	21
	23	24	25	26	27	28	29		22	23	24	25	26	27	28
	30	..	..	..	..	..	..		29	30	31	..	..	..	..

